# DATA DICTIONARY FOR

# ACCIDENT RECORDS SYSTEM

# TO START ON JANAURY 1, 2003

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**Office of Traffic Safety**
**Minnesota Department of Public Safety**

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# DATA DICTIONARY FOR
# COMPUTERIZED ACCIDENT RECORDS SYSTEM

It is hoped this document will provide some information to help build the new Accident Records System. There are a number of flaws in this document. It is not polished. It may have errors that have not yet been found and corrected. It uses too many words in trying to explain various things.

Here is a basic problem in this document. It is often hard to separate two things: (1) the description of the way the Accident Records system works now, from (2) the description of how the new Accident Records system should work.

As the chief example of this: the current system is one where paper reports are received and DVS staff enter data from the paper reports into the computer. But the main concept of the new Accident Records system is to dispense with the paper. Still, this document mainly describes the current system, and it lists new data fields to be included in the new system. But this document mainly uses words that describe the current (paper-handling) process.

Please bear in mind, therefore, that this is a working document, to be used for the value it may offer.

**Some abbreviations used occasionally:**

**AR**: Accident Records system
**ARDB**: Accident Records Database (usually describing the current system, but sometimes describing the things that will be desirable to have in the new system.)
**BCA**: Bureau of Criminal Apprehension of the DPS.
**DL** (or DL File, or DL database): the Minnesota Driver License records system.
**DPS**: Minnesota Department of Public Safety
**DVS**: The Driver and Vehicle Services division of DPS, which has custody of and responsibility for the ARDB, the DL records system, and the MV Reg records system
**DVS/AR:** Accident Records section of DVS of DPS
**MNDOT**: the Minnesota Department of Transportation
**MV** Reg (or MV Reg files, or MV Reg database): the Minnesota Motor Vehicle Registration records system.
**OTS**: Office of Traffic Safety of DPS
**OTSS**: The Office of Technical Support Services of DPS,
**TIS**: The Transportation Information System (MNDOT's computerized records system containing a massive volume of data on the Transportation infrastructure in Minnesota. E.g., MNDOT's TIS system will tell how many feet wide a lane of roadway is, and how many vehicles enter an intersection per day.)

The words "crash" and "accident" are used interchangeably throughout.

**Approximate overview of Accident Records system and how it interacts with the DL system, MV Reg system, and TIS system:**

A few hundred thousand paper reports are received from Law Enforcement officers and citizens (mainly, drivers and pedestrians in crashes) on about 130,000 crashes in a year. Of these crashes, perhaps 30,000 do not meet the reporting threshold. Each year, about 100,000 crashes (the number is very stable over 20 years now) do meet the reporting threshold and thus get entered into the main AR system. (Some experts say there are two crashes that meet the threshold and should be reported, but are not, for every one that is reported.)

When a paper report is received, it is held for a while. Other reports that come in later, on the same crash, are matched up with the first report. After about 30 to 60 days, the reports received to that point are processed and entered in the computer.

Processing the received reports has two phases: "locating," performed by "locaters," and "coding," performed by "coders."

**(1) The locating phase**.

The locaters study the reports' quasi-verbal description of where the crash occurred. They find the apparent point of the crash on a map.

The locaters enter then enter the route system, route number, reference point, and direction and distance from reference point, to indicate the pinpoint location where the crash occurred. Then, in a nightly batch process, this entered data "goes against" files in TIS, and TIS returns the precise reference point for the crash. That TIS-generated reference point is the field that is retained in the ARDB. (See A126 and A323.)

The TIS system also generates a daily edit report containing notations of crashes that may have erroneous location information. Accident Records staff resolve the problems as much as possible.

In "locating" a crash, locaters assign a reliability code (1=high confidence, 3=little confidence) to the reliability of the location information they entered.

MNDOT occasionally studies roadway segments and intersections intensively to make safety improvements in a roadway. When they do that, they find crashes that they believe were incorrectly located. For these crashes, they enter what they believe is more a accurate location into a "transaction file" that accumulates over time.

About once every 4 to 6 weeks, MDNOT gives that transaction file to OTSS, which writes it on top of the existing ARDB. DPS permits MNDOT to make changes in this way to about 9 fields that are related to crash location. Thus the transaction file contains updated information on up to about 9 fields for the crashes they believe were incorrectly located. MNDOT would like to assign their own reliability score to the location information. The data dictionary to follow provides a field to permit MNDOT to do that. (See A324.)

**(2) The coding phase**

In contrast to the locaters, who have to painstakingly study the crash reports to accurately enter location information, the coders work very fast. They do not take time to study the report. The officers and citizens have filled out the reports in part by entering numeric codes in the boxes on the periphery of the form, and the coders "slam" the codes from the boxes into the computer. The coders work fast and are remarkably accurate. The new system has to permit them to continue to work fast, without taking time to study the reports.

**Important interfaces that have to work in the new AR system:**

1. The AR system sends route system, route number, temporary reference point, and direction and distance from that reference point to MNDOT's TIS system. Currently, the TIS system returns:
   a) The precise reference point on the physical roadway where the crash occurred.
   b) A population category for the jurisdiction in which the crash occurred.
   c) The "X coordinate" and the "Y coordinate" that corresponds to the precise reference point.
   d) The "roadway functional classification"
   e) Patrol district and station (for state-patrol-reported crashes).

   Several additional data elements are planned to be returned from TIS into the new AR system (see Part A3).

2. MNDOT staff need to be able to make certain changes, as described above.

3. The AR system sends the vehicle license plate number (if it is a Minnesota plate) to the MV Reg system, and the MV Reg system returns:
   a) The VIN number of the vehicle
   b) The make (Ford, Chev., etc) of the vehicle
   c) The year of the vehicle (e.g., 1999), currently referred to as "model"
   d) The "series" of the vehicle: i.e., Corolla, Taurus, etc.)
   e) the "style" of the vehicle (2 door, 4 door, ambulance, convertible, and so on)
   f) the color of the vehicle (first of up to 2)
   g) the color of the vehicle (second of 2, if applicable)

4. The AR system sends the Driver License number (if the person has a Minnesota driver license) to the DL system, and the DL system returns:
   a) The current driver license number (the dl number entered may have been superseded -- due to a name change, for example.)
   b) The "class" of the person's driver license
   c) The "status" of the persons drivers license (under withdrawal, or not)
   d) The driver's county of residence in Minnesota

5. When a person in an accident (1) is a driver of a motor vehicle, and (2) has an existing Minnesota driver license, The AR system posts 4 pieces of confidential information from the ARDB to the DL record on that person in the DL file:
   a) The accident number (a reference to the unique number assigned to report)
   b) The date the accident occurred
   c) The accident severity level (not the person's own injury severity level)
   d) The apparent physical condition of the person (this tells whether the person appeared to have been drinking, or to have been taking drugs, and so on.)

The five interfaces described above exist currently. We want the new system to have the capacity to readily add similar interfaces. For example:

1. The BCA of the DPS compiles test results in a computerized database on persons tested for alcohol concentration. Many drivers in crashes are tested for alcohol. We would like to link with the BCA's information system in order to pull out the test result and add it to the ARDB.

2. The State Patrol of the DPS inspects commercial vehicles in crashes. The data from their reports are entered in the computer. There will be rich gains in efficiency, plus other benefits, if an ability is developed to link the inspection database with the AR system.

**The original ARDB and the 'sanitized' ARDB**

Law enforcement officers complete the Minnesota accident report. Citizens (drivers, but also pedestrians and others) complete a Minnesota accident report (smaller than the officers' reports). The officers and citizens send their reports to DVS/AR.

Minnesota Statute 13.82 (part of the Government Data Practices act), says that the law enforcement agency's copies of the report (or the information in them) is public, including, even, names and addresses of drivers, victims, and witnesses. Minnesota Statute 169.09 says (in bold type) that the DPS copies of the accident reports are **confidential**: "Accident reports and data contained in the reports shall not be discoverable under any provision of law or rule of court." Statistical information, including the data itself (provided identifying information, such as a name or driver license number or license plate, has been removed) may be released for research purposes.

As a result of the laws, and as a practical matter, there are now two databases: the original and a "sanitized" version. DVS/AR enters data into the original database, now retained

on a computer located in the BCA building. That database is not used, except that it preserves the data (e.g. driver license number) that is the basis for linking to other databases (e.g. the DL file) to get data (e.g., driver license class) that is deposited in the ARDB.

In order that the data collected may be used, OTSS prepares "sanitized" files. These are three files (the accident file, the vehicle file, and the person file), that contain all the data DVS/AR entered, except that any information that identifies, or is unique to, an individual has been stripped out. The three sanitized files are exported from the DPS computer to the Minnesota mainframe computer.

Once the data is on the mainframe computer, it is used by OTS and MNDOT. OTS puts the three sanitized files into SAS datasets, and analyzes them using SAS. MNDOT makes extensive use of the three files by incorporating them into its TIS system and into new GIS and other systems being developed.

**The current system handles missing information inadequately. We hope the new system will overcome this problem**

The current AR system handles the categories "missing" and "unknown" and "not applicable" in a way that makes the resulting data difficult to work with and sometimes uninterpretable.

Here is a deceptive example: There is a field "Did this vehicle catch on fire?" If the officer enters "Y" on the report, then "Y" is entered in the computer. Otherwise, the computer stores an "N" in the field. This is misleading, or wrong. We need to know when the officer entered "N," versus when the officer left the field blank. The "FIRE" field also defaults to "N" for pedestrians and bicyclists, when it should default to "not applicable."

The example above is deceptive because it is so simple. Many fields are more complex. It will extremely useful to accurately distinguish among the following:

1. What the officer or citizen recorded in the box on the report form.
2. When the box on the form should have been filled out but was left blank.
3. When the box on the form was left blank because it was inapplicable.

This Data Dictionary spends time and effort trying to delineate when a field should default to "missing," versus "not applicable." If the new system can accommodate this need, that will be a giant step forward. The main concern is that the computer system *not* cause a field to default to a meaningful value (such as "No, this vehicle did not catch on file") when the field has been left blank. At the risk of sounding philosophical, meaning cannot be inferred from nothing(ness).

**The following requirement is among the most fundamental things that the new system must accommodate: (1) the crash report must be inviolable, (2) the computerized crash record is an amalgam of information, some of which can change.**

1. The officer and / or citizen submits a crash report. This report must remain unchanged and inviolable. Whether the report is submitted electronically or as a piece of paper, the report must be reproducible as a paper document that *is* the Minnesota Accident Report form (officer's version or citizen's version, as the case may be) and that contains exactly the information the officer or citizen submitted.

2. By contrast, the computerized record of the crash is an amalgam of the reports received, plus the judgment of Accident Records staff. The computerized crash record may be inconsistent with the officer's and citizen's reports. For example, a report might accidentally show the crash time as 1:30 AM when everything else about the report makes it clear that the time was 1:30 PM. In this case, the crash report will show 1:30 AM, but the crash record will show 1330, for 1:30 PM.

There are many fields where DVS/AR staff will override information shown on the received reports.

Thus, in short, the computerized crash record can be different from the crash report(s), and it can change. The crash reports themselves cannot.

**Some conventions used in the data dictionary.**

An alphanumeric (or alpha, or character) field may contain any number of letters or numbers up to the width of the field. The field is normally left justified and does not have to have empty columns filled.

A numeric field can only have numbers, is right-justified, and we ask that normally the field be zero-filled, so that the value 1, for example, is stored as 01.

In the following guide, an alphanumeric keystroke may be symbolized by an upper or lower-case "a." Thus, the format of values that are likely to be entered into the 8-column field "route number" (RTNUMBER) could be symbolized as, for example: "a to aaaaaaaa." (The route number might be 5, or 35W, or 4986) . The driver license number will have a format of "aaaaaaaaaaaaa" (13 alphanumeric characters).

A numeric field might be illustrated by an upper or lower-case "n." The three column field "AGE" has a format of "nnn," since leading zeroes are entered. Thus age 5 is stored as 005.

No attention has been given to upper or lower-case use. A "y" for "yes" might be shown as "Y" or as "y," inside of single or double quotes, or no quotes at all.

**Logic of the crash report, and logic of the files that make up the Accident Records Database**

It's possible to think of the crash report form in terms of about 9 distinct sections (shown on p 8):

1. Preliminary information block
2. Location information block
3. Driver block
4. Vehicle block
5. Commercial vehicle block
6. Passengers and witness block
7. Damaged property line
8. Diagram and description block
9. Officer and Agency line.

However, it appears best to think of the Accident Records Database as having 3 logical files

1. The accident file (for data from the report sections 1, 2, 7, 8, and 9)
2. The vehicle file (for data from the report sections 4 and 5, and somewhat from section 3)
3. The person file (for data from the report sections 3 and 6)

The accident file contains information about the environment of the accident: the date, time, weather condition, location, type of roadway, and so on. The accident file will contain 1 record for each accident. Currently, it has about 100,000 lines, for that many accidents, per year.

The vehicle file contains information about each vehicle in the crash: make and model of vehicle, number of occupants. What were the contributing factors associated with the vehicle? And so on

Also, note especially that a pedestrian, bicyclist, or other non-motorist (for example, skater, horseback rider) is treated like a vehicle. For example, there will be a pre-crash action, and contributing factors associated with a pedestrian, just as with a vehicle.

The vehicle file will contain 1 record for each vehicle (or non-motorist) in the accident. The vehicle file has about 180,000 lines (for about 177,000 motor vehicles, and about 3,000 pedestrians or bicyclists) per year.

The person file contains information about each person in the crash: date of birth, sex, injury severity, taken to hospital or not, use of safety equipment, and so on. Note that when the person is a driver, there are more fields: apparent physical condition, driver license class, alcohol test taken, and so on. The vehicle file has about 260,000 lines per year.

Thus, on average, 1 crash has 1.8 vehicles, and 2.6 people involved. One vehicle has 1.4 occupants.

**Structure of the data dictionary:**

In the following guide,

- **Accident-level fields** are denoted by Annn. For example A104, A208, A316
- **Vehicle-level fields** are denoted by Vnnn. For example, V121, V202, V305
- **Person-level fields** are denoted by Pnnn: For example P115, P201, V304.

**The fields that start with A1, V1, or P1 come directly from the crash report forms.** These fields are reported by the officer or citizen on the crash report. For example,

A112: ACCDATE: Date of the crash
V109: DIRECT: Direction vehicle was travelling in
P124: INJSEV: Severity of injury

**The fields starting with A2, V2, or P2 are derived by the computer from information entered into the computer off of the crash report**. That is, the fields that start with A2, V2, and P2 come from the fields that start with A1, V1, andP1. For example:

A211: SPEED (Did any of the vehicles in this crash have "illegal or unsafe speed" cited as a contributing factor?) comes from the V124 and V125 fields
V201: CAUSAL (Was this vehicle the "causal vehicle" in the crash?) comes from V124 and V125.
P201: PTYPE (What was the "person type" for this person?) comes form the V128, V202, and P108 fields.

**The fields starting with A3, V3, or P3 are obtained by linking to other computerized records systems**. For example:

A305: POPJURIS (What was the population of the jurisdiction in which this crash occurred?) is obtained from MNDOT's TIS system
V306: VIN (Vehicle identification number) is obtained from motor vehicle registration file.
P310: DLCLASS2: (If this person had a Minnesota driver license, what class was the driver license?) is obtained from the MN DL file.

The table below gives an overview of the three types of fields in the three types of files. Some of these fields are on the report but are not entered into the ARDB.

# OVERVIEW OF ALL FIELDS IN ACCIDENT RECORDS SYSTEM

| THE ACCIDENT FILE | | | | | | THE VEHICLE FILE | | | | | | THE PERSON FILE | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PART A1 | | PART A2 | | PART A3 | | PART V1 | | PART V2 | | PART V3 | | PART P1 | | PART P2 | | PART P3 | |
| A101 | Loccase | A201 | Accsev1 | A301 | Xcoord | V101 | Accn | | | | | P101 | Accn | | | | |
| A102 | Amended | A202 | Accsev2 | A302 | Ycoord | V102 | Rvn | | | | | P102 | Rvn | | | | |
| A103 | Page ___ | | | A303 | Patsta | V103 | Onrname | | | | | P103 | Rpn | | | | |
| A104 | Of _____ | | | A304 | Funclass | V104 | Onradd | | | | | P104 | Dlno1 | | | P301 | Dlno2 |
| A105 | Accn | | | A305 | Popjuris | V105 | OnrCity | | | | | P105 | Pername | | | | |
| A106 | Hitrun1 | A203 | Hitrun2 | A306 | Bridgeid | V106 | Fire | | | | | P106 | Peradd | | | | |
| A107 | Pubprop | | | A307 | NHS | V107 | Towed | | | | | P107 | Percity | | | | |
| A108 | Numveh1 | A204 | Numveh2 | A308 | Lanesdec | V108 | Towing | | | | | P108 | Positn | P201 | Ptype | | |
| A109 | Numfat1 | A205 | Numfat2 | A309 | Lanesinc | V109 | Direct | | | V301 | VIN | P109 | Dlstate | | | | |
| A110 | Numinj1 | A206 | Numinj2 | A310 | Aadt | V110 | Make1 | | | V302 | Make2 | P110 | Dlclass1 | | | P302 | Dlclass2 |
| A111 | Min$ | | | A311 | Aadtyear | V111 | Series1 | | | V303 | Series2 | P111 | Dlstat1 | | | P303 | Dlstat2 |
| A112 | Accdate | A207 | Acmonth | A312 | Trafdes1 | V112 | Year | | | V304 | Style | P112 | Dob | | | P304 | Dlcounty |
| A113 | Day (see 208) | A208 | Accday | A313 | Trafdes2 | V113 | Color1 | | | V305 | Year2 | P113 | Agea | P202 | Ageb | | |
| A114 | Acctime1 | A209 | Acctime2 | A314 | Lanewid | V114 | Plate | | | V306 | Color2a | P114 | Viols | P203 | Agec | P305 | Restrict2a |
| A115 | Rtsys | | | A315 | Medwid | V115 | Streg | | | V307 | Color2b | P115 | Restrict1 | | | P306 | Restrict2b |
| A116 | Rtnum | A210 | Alcohol | A316 | Sholdwid | V116 | Yrreg | | | | | P116 | Physcnd | | | P307 | Restrict2c |
| A117 | Rddirect | A211 | Speed | A317 | Accontrol | V117 | Event1 | | | | | P117 | Recomn | | | | |
| A118 | AtIintWith | | | A318 | Inttype | V118 | Event2 | | | | | P118 | Addcor | | | P308 | Endorset |
| A119 | Distance | A212 | Mcycle | A319 | Interdes | V129 | Event3 | | | | | P129 | Sex | | | P309 | Endorsen |
| A120 | Meastype | A213 | Sbus2 | A320 | Mainlans | V121 | Event4 | | | | | P121 | Eqptype | | | P310 | Endorseh |
| A121 | Directpt | A214 | Bike | A321 | Mainvol | V121 | Mosthar | | | | | P121 | Eqpuse | | | P311 | Endorsex |
| A122 | County | A215 | Truck | A322 | Sidelans | V122 | Insuranc | | | | | P122 | Airbag | | | P312 | Endorses |
| A123 | Citoname | | | | | V123 | Inspolno | | | | | P123 | Eject | | | P313 | Endorsep |
| A124 | Citwname | | | | | V124 | Cfct1 | | | | | P124 | Injseva | P204 | Injsevb | P314 | Endorsem |
| A125 | Intelem | | | | | V125 | Cfct2 | V201 | Causal | | | P125 | Alctest | | | | |
| A126 | Refpt1 | | | A323 | Refpt2 | V126 | Action | | | | | P126 | Alctype | | | P315 | Aclrslt |
| A127 | Rtsys2 | | | | | V127 | Totocc1 | V202 | Intrans | | | P127 | Drugtest | | | | |
| A128 | Feature | | | | | V128 | Vehtype | V203 | Totocc2 | | | P128 | Drugtype | | | P316 | Drugrslt |
| A129 | Locnar | | | | | V129 | Vehuse | | | | | P129 | Tohosp | | | | |
| A130 | Relydps | | | A324 | Relydot | V130 | Damloc | | | | | P130 | Methhos | | | | |
| A131 | Propownr | | | | | V131 | Damsev | | | | | P131 | Ambserv | | | P317 | Dlerror |
| A132 | Propdes | | | | | V132 | Cargobd | | | | | P132 | runnum | | | P318 | Percomp |
| A133 | Tagnum | | | | | V133 | Hazplac | | | | | P133 | Fatalno | | | | |
| A134 | Acctype | | | | | V134 | Waived | | | | | P134 | Correpts | | | | |
| A135 | Sbus1 | | | | | V135 | Inspectn | | | | | P135 | Lastname | | | | |
| A136 | Locfhe | | | | | V136 | Badgeno | | | | | P136 | Firstmid | | | | |
| A137 | Bridge | | | | | V137 | Mcname | | | | | P137 | Fatdate | | | | |
| A138 | Workzone | | | | | V138 | Mcidno | | | | | P138 | Fatbac | | | | |
| A139 | Locwz | | | | | | | | | | | | | | | | |
| A140 | Workers | | | | | | | | | | | | | | | | |
| A141 | Rddesign | | | | | | | | | | | | | | | | |
| A142 | Rdsurf | | | | | | | | | | | | | | | | |
| A143 | Rdchar | | | | | | | | | | | | | | | | |
| A144 | Device1 | | | A325 | Device2 | | | | | | | | | | | | |
| A145 | Working | | | | | | | | | | | | | | | | |
| A146 | Intrel | | | | | | | | | | | | | | | | |
| A147 | Splimit | | | | | | | | | | | | | | | | |
| A148 | Weather1 | | | | | | | | | | | | | | | | |
| A149 | Weather2 | | | | | | | | | | | | | | | | |
| A150 | Light | | | | | | | | | | | | | | | | |
| A151 | Photos | | | | | | | | | | | | | | | | |
| A152 | Diagram | | | A326 | Locacc | | | | | | | | | | | | |
| A153 | Ranke | | | A327 | Locerr | | | | | | | | | | | | |
| A154 | Ofcrnam | | | A328 | Loccom | | | | | | | | | | | | |
| A155 | Badgeno | | | A329 | Acccom | | | | | | | | | | | | |
| A156 | Agency | | | A330 | Ain | | | | | | | | | | | | |
| A157 | Diststa | | | A331 | Mndupddt | | | | | | | | | | | | |
| A158 | Ofcrtype | | | A332 | Mndpdtime | | | | | | | | | | | | |
| A159 | Compnar | A216 | Shortnar | A333 | Dpsupdate | | | | | | | | | | | | |
| A160 | Sketch | | | | | | | | | | | | | | | | |

A124 was divided into:

A124A: Cityname
and
A124B: Twpname

**PART A: ACCIDENT-LEVEL FIELDS.**

| A1: FROM THE REPORTS | | A2: DERIVED FROM OTHER FIELDS | | A3: OBTAINED THROUGH LINK TO OTHER DATABASES | |
|---|---|---|---|---|---|
| | | | | | |
| A101 | Loccase | A201 | Accsev1 | A301 | Xcoord |
| A102 | Amended | A202 | Accsev2 | A302 | Ycoord |
| A103 | Page ___ | | | A303 | Patsta |
| A104 | Of _____ | | | A304 | Funclass |
| A105 | Accn | | | A305 | Popjuris |
| A106 | Hitrun1 | A203 | Hitrun2 | A306 | Bridgeid |
| A107 | Pubprop | | | A307 | NHS |
| A108 | Numveh1 | A204 | Numveh2 | A308 | Lanesdec |
| A109 | Numfat1 | A205 | Numfat2 | A309 | Lanesinc |
| A110 | Numinj1 | A206 | Numinj2 | A310 | Aadt |
| A111 | Min$ | | | A311 | Aadtyear |
| A112 | Accdate | A207 | Acmonth | A312 | Trafdes1 |
| A113 | Day (see 208) | A208 | Accday | A313 | Trafdes2 |
| A114 | Acctime1 | A209 | Acctime2 | A314 | Lanewid |
| A115 | Rtsys | | | A315 | Medwid |
| A116 | Rtnum | A210 | Alcohol | A316 | Sholdwid |
| A117 | Rddirect | A211 | Speed | A317 | Accontrol |
| A118 | AtIintWith | | | A318 | Inttype |
| A129 | Distance | A212 | Mcycle | A319 | Interdes |
| A121 | Meastype | A213 | Sbus2 | A320 | Mainlans |
| A121 | Directpt | A214 | Bike | A321 | Mainvol |
| A122 | County | A215 | Truck | A322 | Sidelans |
| A123 | Citytwn | | | | |
| A124 | Citwname | | | | |
| A125 | Intelem | | | | |
| A126 | Refpt1 | | | A323 | Refpt2 |
| A127 | Rtsys2 | | | | |
| A128 | Feature | | | | |
| A129 | Locnar | | | | |
| A130 | Relydps | | | A324 | Relydot |
| A131 | Propownr | | | | |
| A132 | Propdes | | | | |
| A133 | Tagnum | | | | |
| A134 | Acctype | | | | |
| A135 | Sbus1 | | | | |
| A136 | Locfhe | | | | |
| A137 | Bridge | | | | |
| A138 | Workzone | | | | |
| A139 | Locwz | | | | |
| A140 | Workers | | | | |
| A141 | Rddesign | | | | |
| A142 | Rdsurf | | | | |
| A143 | Rdchar | | | | |
| A144 | Device1 | | | A325 | device2 |
| A145 | Working | | | | |
| A146 | Intrel | | | | |
| A147 | Splimit | | | A326 | Locacc |
| A148 | Weather1 | | | A327 | Locerr |
| A149 | Weather2 | | | A328 | Loccom |
| A150 | Light | | | A329 | Acccom |
| A151 | Photos | | | A330 | Ain |
| A152 | Diagram | | | A331 | Mndupddt |
| A153 | Ranke | | | A332 | Mndupdtime |
| A154 | Ofcrnam | | | A333 | Dpsupdate |
| A155 | Badgeno | | | | |
| A156 | Agency | | | | |
| A157 | Diststa | | | | |
| A158 | Ofcrtype | | | | |
| A159 | Compnar | A216 | Shortnar | | |
| A160 | Sketch | | | | |
| | | | | | |

A124 was divided into:

A124A: Cityname
and
A124B: Twpname

**PART A1: Fields that exist at the "accident" level and that are filled out on the crash report form itself -- either the paper version of the form, or the electronic (web-based) version of the form.**

**A101: LOCCASE: Local case number**

**Source: Police accident report:** yes **Citizen accident report:** no
Entered manually into computer by coding staff
**In original database:** yes **In sanitized database:** yes
**Format:** 12 column alphanumeric
**Data entry screen prior to entry:** _ _ _ _ _ _ _ _ _ _ _ _
**How entered:** a to aaaaaaaaaaa. If there is no officer report, only the citizen report, coder should enter 98 (for not applicable)
**Typical examples:** 01400590, 01054, 20013681
**Stored in database as:** a to aaaaaaaaaaa
**Defaults / missing values:**

- If coder did not enter 98, and OFFICER (see A158) = 98, computer should enter 98, for not applicable.
- If officer leaves field blank, coder should tab over field and computer should enter 00 for 'officer should have completed this field but failed to do so.

**Edit checks:** none
**Valid values that the database may hold:**
a to aaaaaaaaaaa = local case number
98 = not applicable (crash information came from citizen report, not officer report)
00 = Officer should have completed this field but failed to do so

**A102: AMENDED: Is this report an amendment of a report already submitted (y/n)?**
This field is not entered into the database under the current (pre-1-1-03) system.

**A103: PAGE ____: What page of the report is this?**
This field is not entered into the database under the current (pre-1-1-03) system.

**A104: OF _____ (total pages in this report)**
This field is not entered into the database under the current (pre-1-1-03) system.

**A105: ACCN: Accident number**

**Source: Police accident report:** yes **Citizen accident report:** yes
Staff in Accident Records Office use a Bates stamping machine to stamp all the reports received on a given accident. If there is a police report, a coroner's certificate, a death certificate, 2 citizen reports, and other material, all of it will stamped with the "accident number," which is the critical number for indexing all crash records.
The accident numbers are then entered manually into computer by coding staff.
**In original database:** yes **In sanitized database:** yes
**Format:** 9 column numeric, following the pattern yydddnnnn
where yy = last two digits of year in which accident occurred
ddd = day 1 to 366 of year in which accident occurred
nnnn = sequential number 1 to 9999 of accident among all accidents that occurred on that (ddd) day.
**Data entry screen prior to entry:** _ _ _ _ _ _ _ _ _
**How entered:** nnnnnnnnn
**Typical examples:** 030010001, 031850261
**Stored in database as:** nnnnnnnnn
**Defaults / missing values:** Every accident must have a valid and unique accident number
**Edit checks:** Could verify that number is unique, and falls within proper year and day.
**Valid values that the database may hold:** 030010001 through 990019999 (for all of 21st century)

**A106: HITRUN1: Did this accident involve a hi-and-run vehicle (y/n)**

**Source: Police accident report:** yes **Citizen accident report:** yes
Entered manually into computer by coding staff
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric

**Data entry screen prior to entry:** _
**How entered:** y, n, or x
**Typical examples:** y, n
**Stored in database as:** y, n, x, or z
**Defaults / missing values:**
If not shown on any reports, coder should tab over field. Computer should enter a z to signify the field was left blank.
**Edit checks:** if HITRUN = y then accident must have at least 1 vehicle with VEHUSE = 6
**Valid values that the database may hold:**
y = yes
n = no
x = reports indicated that it was not known whether a hit-and-run vehicle was involved in the crash.
z = none of the reports received gave any information on whether the crash involved a hit-and-run vehicle

**A107: PUBPROP: Was any public property damaged due to this crash**
**Source: Police accident report:** yes **Citizen accident report:** yes
Entered manually into computer by coding staff
**In original database:** yes **In sanitized database:** yes
**Format:** 1-column alphanumeric: y, n, x, or z
**Data entry screen prior to entry:** _
**How entered:** y, n, or x
**Typical examples:** y, n
**Stored in database as:** y, n, x, or z
**Defaults / missing values:**
If not shown on any reports, coder should tab over field. Computer should enter z to signify "left blank"
**Edit checks:** none
**Valid values that the database may hold:**
y = yes
n = no
x = reports indicated that it was not known whether any public property was damaged.
z = none of the reports received gave any information about whether any public property was damaged

**A108: NUMVEH1: Number of vehicles in transport involved in the crash**
**Source: Police accident report:** yes **Citizen accident report:** yes
Entered manually into computer by coding staff
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** 01 to 99
**Typical examples:** 01, 02, 03
**Stored in database as:** 01 to 99
**Defaults / missing values:**
- If not shown on reports, coder may determine correct value and enter that.
- If coder tabs over field, leaving it blank, computer should enter 99

**Edit checks:** NUMVEH1 should = NUMVEH2 (see A204).
**Valid values that the database may hold:**
01 to 98 = 0 to 98 vehicles in transport involved in the crash.
99 = officer should have completed this field, but failed to do so

**A109: NUMFAT1: Number of fatalities (to human beings, not to deer, or other animals) that occurred due to this crash**
**Source: Police accident report:** yes **Citizen accident report:** yes
Entered manually into computer by coding staff
**In original database:** yes **In sanitized database:** yes
**Format:** 2-column numeric: nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** 00 to 99
**Typical examples:** 01, 02

**Stored in database as:** 01 to 99
**Defaults / missing values**
- If not shown on reports, coder may determine correct value and enter that.
- If coder tabs over field, leaving it blank, computer should enter 99.

**Edit checks:** NUMFAT1 should = NUMFAT2 (see A205).
**Valid values that the database may hold:** 00 to 99
00 to 98 = 0 to 98 persons killed in the crash.
99 = officer should have completed this field, but failed to do so

**A110: NUMINJ1: Number of human beings who sustained any level (except "K") of injury in this crash**
**Source: Police accident report:** yes **Citizen accident report:** yes
Entered manually into computer by coding staff
**In original database:** yes **In sanitized database:** yes
**Format:** 2-column numeric: nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** 01 to 99
**Typical examples:** 01, 02, 03
**Stored in database as:** 01 to 99
**Defaults / missing values:**
- If not shown on reports, coder may determine correct value and enter that.
- If coder tabs over field, leaving it blank, computer should enter 99.

**Edit checks:** NUMINJ1 should = NUMINJ2 (see A206).
**Valid values that the database may hold:** 00 to 99
00 to 98 = 0 to 98 persons injured in the crash.
99 = officer should have completed this field, but failed to do so

**A110: $MIN: Did this crash rise to the threshold level at which the law requires a report to DPS (y/n).**
This field is not entered into the database under the current (pre-1-1-03) system.

**A112: ACCDATE: Date (month, date, and year) on which accident occurred**
**Source: Police accident report:** yes **Citizen accident report:** yes
Entered manually into computer by coding staff
**In original database:** yes **In sanitized database:** yes
**Format:** 10-column numeric date format: mm-dd-yyyy
**Data entry screen prior to entry:** _ _ - _ _ - _ _ _ _
**How entered:** mmddyyyy
**Typical example:** 11162003 (November 16, 2003)
**Stored in database as:** mmddyyyy or mm-dd-yyyy, or whatever is best
**Defaults / missing values:** Every crash must be assigned a date. No "unknowns" are permitted. If all reports fail to show date, coder must assign a date.
**Edit checks:** Must be consistent with ACCN: Accident number (see A105)
**Valid values that the database may hold:** any date after January 1, 2003.

**A113: ACCDAY: Day of week on which accident occurred (See A208.)**
This field will have values 1 (Sunday) through 7 (Saturday). It will not be manually entered into computer, but the system should derive the correct value from the ACCDATE field. This field will be listed later, with other derived fields. (See A208.)

**A114: ACCTIME: The estimated time at which the accident occurred -- expressed in "military time"**
**Source: Police accident report:** yes **Citizen accident report:** yes
Entered manually into computer by coding staff
**In original database:** yes **In sanitized database:** yes
**Format:** 4-column numeric: nnnn
**Data entry screen prior to entry:** _ _ _ _
**How entered:** 0001 through 2359, or 9998 or 9999
**Typical examples:** 0005 (5 minutes after midnight), 1830 (6:30 PM), 9999 (officer and citizens all showed that time was unknown.
**Stored in database as:** 0000 through 2359, or 9998, or 9999
**Defaults / missing values:**
If reports show that time of accident is unknown, coder should enter 9999. If time not shown on reports, coder should tab over field and computer should enter 9998 to signify "left blank."

**Edit checks:**

Time of day should not be inconsistent with light condition. (E.g., crashes between 10PM and 4:00 AM should not have light condition = "daylight," and so on.

**Valid values that the database may hold:**

0000 = midnight
0001= 12:01 AM
...
2359 = 11:59 PM
9998 = left blank
9999 = Report showed that time was unknown.

## Overview of fields A15 through A29 and of the Accident-Locating Process

Officers and citizens give a quasi-verbal description of where the crash occurred on their crash reports. That description is not entered verbatim. Instead, the "Locaters" in Accident Records enter most of the location information. The DPS computer system then interacts with MNDOT's computer system to generate a reference point for the crash. Also, the MNDOT computer system generates an X coordinate and Y coordinate that corresponds to the reference point. Currently, MNDOT gives us the XY coordinates for about one third of the 100,000 crashes each year. This proportion will increase over time.

Over succeeding days, months, and years, edit checks are generated and changes are made to further refine accuracy of the location information on specific accidents. Also, when a roadway changes names (for example, from CSAH 52 to MNTH 3), all past accidents on that roadway have their locations changed. This way, when MNDOT needs to know the accident history on a roadway, they get a complete history.

Officers fill out the fields A115 through A129 to describe, as best they can, where the crash occurred. The citizens, on their reports, complete a subset (specifically A116, A118, A119, A120, A121, A122, A123, A124, A128) of these fields.

The "Locaters" in Accident Records read the officer's and citizens' reports. They interpret the information there and enter the following fields into the computer:

A115: Route System
A116: Route number
A126: Reference point (of an intersection or feature at which, or close to which, the accident occurred). The reference point is a 10-character field that has this format: nnn+nn.nnn
A119: Distance (in miles or feet) at which the accident occurred from the reference point cited in A26.
Example: (1) +00.250 (2) -50.000
A120: Distance measure (m for miles, or f for feet) for the distance cited in A19.
A122: County
A123: City
A129: The locaters will sometimes also enter a "location narrative," up to 50 characters long, that verbally describes where the accident occurred.
Example: (1) 609 11th Ave N (2) 1/10 mile north of 395th St. on Tri-Co Road.

Each night the DPS computer system interacts with the MNDOT computer system. The information the locaters entered during the day into fields A126, A119, and A120 is combined in order to calculate the true reference point. This true reference point is then written on top of what the locaters had entered into the field A126. Then, whatever the Locaters had entered into the field A119 is converted to read: 000.000 (since the new value in A26 is now the precise reference point at which the crash occurred.)

As part of the interface between the DPS and MNDOT systems each night, an edit report is generated. This report is sent to Accident Records each day. The edit report gives warnings; for example, that reference point such and such does not exist. This is one way errors can sometimes be identified and corrected.

At any time after the location information is completed and the daily edit reports are resolved, the location information is still subject to review and change. For example, for safety purposes, MNDOT may study all accidents at specific intersections or on specific roadway segments over the prior ten year period. In doing this, they identify accidents with incorrect location information.

Currently, MNDOT lists these accidents and enters corrected location information into a "transaction file." The transaction file is accumulated over time and periodically (about 10 times per year) provided to DPS / OTSS. OTSS will then write the transaction file on top of the Accident Records database, updating certain fields. (At this time, MNDOT is permitted to make changes in this way to about 9 fields, including: Name of city of township, county, route system, route number, reference point, direction in which vehicle was travelling in prior to the crash (this is different from 'roadway direction'), and diagram.

There are additional location information fields, as well. The Locaters use a field RELDPS (location information reliability, in the opinion of DVS/AR; see A130) to indicate their confidence in the location information (1=high, 2=medium, 3=low).

In the new system, starting 1-1-03, it is believed we should have a corresponding field (RELYDOT; See A323) for MNDOT to document its confidence in specific accident locations.

The nightly interface between DPS and MNDOT also currently creates the following fields:

- X-Coordinate (6-column alphanumeric): See A301
- Y-Coordinate (7- column alphanumeric): See A302
    - (The X and Y coordinates give the pinpoint latitude-/-longitude location where the crash occurred.)
- URBRUR (2-column numeric) that shows the population (in 9 categories) of the political jurisdiction that the crash occurred in:
    - This field should be changed to POPJURIS See A305
- FUNCLASS: Functional Classification of roadway (2-column numeric)
- PATSTA: State Patrol district and station in which crash occurred (4-column numeric).

See Part A3 fore more fields to be added to the ARDB in the new system.

There are 3 additional fields related to location that appear in the current database (but I do not understand how they are created, and how or if they are used. These fields (which are listed, but not described, as A326, A327, A328) are:

(1) LOCACC: reported location accuracy: 3-column numeric field.
In 2001, LOCACC took these values:
0 (96,395 times)
1 (2,554 times)
2 (35 times).

(2) LOCERR: location error: 1-column character field.
In 2001, LOCERR took these values:
0 (zero, 35 times)
1 (98,949 times).

(3) LOCCOM: location complete: 1-column character field.
In 2001, LOCCOM took these values:
N (240 times)
Y (35 times)
missing (98,709 times)

The new (post 1-1-03) Accident Records System will need to accommodate the complex locating process. Eventually, we look toward a time when all officers will carry GPS devices, and be able to use those to feed X and Y coordinate information directly into an electronically filed accident report.

**A115: RTSYS1: Route (roadway) system on which the accident occurred**

**Source: Police accident report:** yes **Citizen accident report:** implicitly
As described above, officers and citizens provide information here, but the AR locaters determine and enter the proper RTSYS into the computer.
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** 01 to 30, 99
**Typical examples:** 01, 02, 04, 07, 10
**Stored in database as:** 01 to 98
**Defaults / missing values:**
If locaters do not assign a value, computer should enter 98 to signify "not geocoded" (which means, not assigned a location)
**Edit checks:**
**Valid values:**
01 = Interstate -- ISTH
02 = US Trunk Highway -- USTH
03 = MN Trunk Hwy -- MNTH
04 = County State Aid Highway--CSAH
05 = Municipal State Aid Highway--MSAH
07 = County Road -- CNTY
08 = Township Road -- TWNS
09 = Unorganized Township Road
10 = Municipal Street--MUN
11 = National Park Road--NATP
12 = National Forest Road--NATF
13 = Indian Service Road--IND
14 = State Forest Road--SFR
15 = State Park Road--SPRK
16 = Military Road -- MIL
17 = National Monument Road--NATM
18 = National Wildlife Refuge Road
19 = Frontage Road--FRNT
20 = State Game Reserve Road
21 = Private Road Open to Public
23 = Airport roads
25 = Non-traffic Ways (apparently now obsolete)
30 = Alleyways (apparently now obsolete)
98 = not geocoded

**A116: RTNUM: Route number or name of street on which accident occurred**

**Source: Police accident report:** yes **Citizen accident report:** yes
As described above, officers and citizens provide information here, but the AR locaters enter the proper RTNUM into the computer.
**In original database:** yes **In sanitized database:** yes
**Format:** 8-column alphanumeric (8 columns currently allocated, but appears 4 is max needed)
**Data entry screen prior to entry:** _ _ _ _ _ _ _ _
**How entered:** a to aaaaaaaa
**Typical examples:** 35W, 94, 103, 48
**Stored in database as:** a to aaaaaaaa
**Defaults / missing values:** If locaters do not assign a value, computer should enter "z" to signify "not geocoded."
**Edit checks:**
**Valid values:**
a to aaaaaaaa

z = not geocoded

**A117: RDDIRECT: Travel direction of the roadway on which the first unstabilized event in the crash occurred**

**NOTE:** This field is required to be filled out only when the roadway is a divided roadway. However any roadway may potentially be a divided roadway. Therefore, this field must always be available to be filled out, no matter what type of roadway the accident occurred on.

**Source: Police accident report:** yes **Citizen accident report:** may be implicit, but is not explicitly shown on citizen report.
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric
**Data entry screen prior to entry:** _
**How entered:** N, E, S, or W.
**Typical examples:** N, E, S, or W
**Stored in database as:** N, E, S, W, or Z
**Defaults / missing values:** If officer report leaves field blank, locater may enter the correct value, or may tab over field. If locater does not enter a value, the computer should enter Z to signify "left blank."
**Edit checks:** None
**Valid values:** N, E, S, W, or Z

**A118: ATINTWITH: At Intersection With**

This field is not entered into the database under the current (pre-1-1-03) system. It helps the locaters to interpret where the crash occurred. but does not need to be entered into the database. The information reported here will be captured, if important, by the entry the locaters make in the "location narrative" field below (see # A129 below).

**A119: DISTANCE: Distance from route number, street, corporate limit, or other feature.**

Coders enter values in this field and computer combines this DISTANCE with A115, A116, A120, and A126. TIS returns the precise reference point (See A323) which overwrites the value in A126. The system then converts whatever values were entered into DISTANCE to 000.000.
**Source: Police accident report:** yes **Citizen accident report:** yes.
**In original database:** yes **In sanitized database:** yes
**Format:** 7 column, 3 to left of decimal, and 3 to right of decimal: nnn.nnn
**Data entry screen prior to entry:** _ _ _ . _ _ _
**How entered:** nnn.nnn
**Typical examples:** 000.500
**Stored in database as:** 000.000
**Defaults / missing values:**
**Edit checks:**
**Valid values:**

**A120: MEASTYPE: Type of measure (miles or feet)**

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric
**Data entry screen prior to entry:** _
**How entered:** M or F
**Typical examples:** M or F
**Stored in database as:** M or F
**Defaults / missing values:** If locater leaves this field blank, computer should enter Z, for "left blank."
**Edit checks:** If distance (A19) is filled in, then MEASTYPE should have a value M or F.
**Valid values:**
M = miles
F = feet
Z = locater left this field blank

**A121: DIRECTPT: Direction (N,S,E,W) of the accident from the point from which the distance measurement was made**

**Source: Police accident report:** yes **Citizen accident report:** yes

The police and citizen reports will show a direction as N, S, E, or W, but the locaters will convert N and E to + and S and W to -. (A location N or E of a reference point is in the increasing milepost direction. A location S or W of a reference point is in the decreasing milepost direction.) The + or - symbol is placed in front of the distance (A119), as +nnn.nnn, or -nnn.nnn.

The TIS system combines that information with the reference point entered in A126 to obtain the true reference point (see A323), which overwrites the value in A126. The final reference point expresses all crash locations in terms of a reference point plus (+) some distance beyond that reference point, such that every reference point has the format: nnn+nn.nnn.

**In original database:** yes (as part of the reference point) **In sanitized database:** yes

**Format:** The N, S, E, or W on the report is first converted to + or - (in A119), then converted to the plus sign in the 10-column reference point field (in A323).

**Data entry screen prior to entry:** _

**How entered:** as the "+" or the "-" in front of the distance in A119.

**Typical examples:**

**Stored in database as:**

**Defaults / missing values:**

**Edit checks:** If DISTANCE is filled in, then DIRECTPT must be filled in.

**Valid values:**

**A122: COUNTY**

**Source: Police accident report:** yes **Citizen accident report:** yes

As part of the locating process, the locaters determine the proper county and enter that.

**In original database:** yes **In sanitized database:** yes

**Format:** 2-column numeric

**Data entry screen prior to entry:** _ _

**How entered:** nn (with leading zero)

**Typical examples:** 01 (for Aitkin County), 27 (for Hennepin County), etc.

**Stored in database as:** nn (with leading zero)

**Defaults / missing values:** Every crash must be assigned to as county. There should be no unknown or missing values in this field.

**Edit checks:** Value must be between 01 and 87 inclusive.

**Valid values:** 01 to 87.

1=Aitkin
2=Anoka
3=Becker
4=Beltrami
5=Benton
6=Big Stone
7=Blue Earth
8=Brown
9=Carlton
10=Carver
11=Cass
12=Chippewa
13=Chisago
14=Clay
15=Clearwater
16=Cook
17=Cottonwood
18=Crow Wing
19=Dakota
20=Dodge
21=Douglas
22=Faribault
23=Fillmore
24=Freeborn
25=Goodhue
26=Grant
27=Hennepin
28=Houston

29=Hubbard
30=Isanti
31=Itasca
32=Jackson
33=Kanabac
34=Kandiyohi
35=Kitson
36=Koochiching
37=Lac Qui Parle
38=Lake
39=Lake of the Woods
40=Le Sueur
41=Lincoln
42=Lyon
43=McCleod
44=Mahnomen
45=Marshall
46=Martin
47=Meeker
48=Mille Lacs
49=Morrison
50=Mower
51=Murray
52=Nicollet
53=Nobles
54=Norman
55=Olmsted
56=Otter Tail
57=Pennington
58=Pine
59=Pipestone
60=Polk
61=Pope
62=Ramsey
63=Red Lake
64=Redwood
65=Renville
66=Rice
67=Rock
68=Roseau
69=St. Louis
70=Scott
71=Sherburne
72=Sibley
73=Stearns
74=Steele
75=Stevens
76=Swift
77=Todd
78=Traverse
79=Wabasha
80=Wadena
81=Waseca
82=Washington
83=Watonwan
84=Wilkin
85=Winona
86=Wright
87=Yellow Medicine

**A123: CITYTWN: City or township**
**Source: Police accident report:** yes **Citizen accident report:** yes

As part of the locating process, the locaters determine the proper value and enter that.

**In original database:** yes **In sanitized database:** yes

**Format:** 1-column alphanumeric

**Data entry screen prior to entry:** _

**How entered:** C for city, or T for township

**Typical examples:** C, T

**Stored in database as:** C, T

**Defaults / missing values:** If locater leaves this field blank, computer should enter Z, for "left blank."

**Edit checks:**

**Valid values:**

C = the accident occurred inside the boundaries of an incorporated city.

T = the accident occurred in a township (and therefore outside the boundaries of an incorporated city)

Z = Officer and / or citizen should have completed this field, but failed to do so.

**A124a: CITYNAME: (Code for) Name of city in which crash occurred**

**Source: Police accident report:** yes **Citizen accident report:** yes

As part of the locating process, the locaters will determine the proper city and enter that.

**In original database:** yes **In sanitized database:** yes

**Format:** 4 column numeric

**Data entry screen prior to entry:** _ _ _ _

**How entered:** nnnn

**Typical examples:**

2585 (Minneapolis)

3760 (Thief River Falls)

**Stored in database as:** nnnn

**Defaults / missing values:** If locater leaves this field blank, computer should enter 00, for "left blank."

**Edit checks:** None

**Valid values**: See list of about 893 incorporated cities and towns at end of data dictionary.

0005 -- 4230 = Ada to Zumbrota

00 = left blank.

**A124b: TWPNAME: (Code for) Name of township in which crash occurred**

**Source: Police accident report:** yes **Citizen accident report:** yes

As part of the locating process, the locaters will determine the proper township and enter that.

**In original database:** yes **In sanitized database:** yes

**Format:** 4 column character

**Data entry screen prior to entry:** _ _ _ _

**How entered:** aaaa

**Typical examples:**

T005 (Helena Township in Scott County)

T139 (the township designated as township number 66 in range 20 in St. Louis County)

Note that this field holds the code for the name of the city, or the code for the township. City names are unique in the state (except for the two St. Anthonys and the two Franklins), but township names are unique only within a county. Therefore, the township name is not useable unless the county is known. Also, many townships are not named. They merely have township and range numbers.

**Stored in database as:** aaaa

**Defaults / missing values:** If locater leaves this field blank, computer should enter Z, for "left blank."

**Edit checks:** None

**Valid values:** See list of about 1,794 "organized" or "unorganized" townships at end of data dictionary. Township names are unique only within counties, so county must be known to use the "township" field.

T001 = Aitkin township in Aitkin County

....

T021 = Wood Lake township in Yellow Medicine county

**A125: INTELEM: Interchange Element code.**

**Source: Police accident report:** yes **Citizen accident report:** no

Only Minnesota State Patrol Troopers know how to fill out this field. Thus, this field will only be filled out if (1) the accident occurred on an interchange of a freeway-type highway, and (2) the reporting officer is a trooper.

In those cases, the troopers will enter a code. However, it is the locaters, as part of the locating process, who will determine the proper interchange element to enter in the database.

**In original database:** yes **In sanitized database:** yes

**Format:** 4 column alphanumeric (the current system allocates 4 columns, but it appears that only 3 are needed.)

**Data entry screen prior to entry:** _ _ _ _

**How entered:** aaaa

**Typical examples:** 201, D03, A04

**Stored in database as:** a to aaaa

**Defaults / missing values:** If locater leaves this field blank, computer should enter Z, for "left blank."

**Edit checks:**

**Valid values:**

**A126: REFPT1: Reference point**

**Source: Police accident report:** yes **Citizen accident report:** no

This field will only be filled out on the police accident report form if (1) the reporting officer is a trooper, (2) the trooper is able to use the field to help locate the crash.

Whatever reference point the trooper may enter here, it will probably be superseded by the reference point the locaters in Accident Records determine to be the proper reference point. The reference point the coders enter will then normally be superseded by the reference point returned form TIS in nightly batch process.

**In original database:** yes **In sanitized database:** yes

**Format:** 10 column alphanumeric in format nnn+nn.nnn

**Data entry screen prior to entry:** _ _ _ + _ _ . _ _ _

**How entered:** nnn nn nnn

**Typical examples:**

039 00 280 (milepost 039, plus 280 one-thousandths of a mile beyond 039 in the direction of milepost 040).

**Stored in database as:**

The value the locaters entered, such as 039+00.280 will usually be superseded by a new reference point, for example: 039+00.333.

**Defaults / missing values:** If locater leaves field blank, computer should enter Z to indicate "not geocoded."

**Edit checks:** Performed in nightly batch processing through comparison with TIS "roadlog" files.

**Valid values:**

nnn+nn.nnn = reference point

z = not geocoded

**A127: RTSYS2: Second Route System**

**Source: Police accident report:** yes **Citizen accident report:** yes

On the crash report, the officer or citizen may describe the location in terms such as: On Highway X, .25 mile east of (intersection with) Highway Y. In such a case, the RTSYS for highway X is documented in A115 above. The RTSYS for Highway Y is documented here in A127.

Although officers and citizens may refer to a second route system, in the manner described, that information does not go into the computerized database. It is used only to assist the locaters to assign a reference point to the crash.

**In original database:** no **In sanitized database:** no

**Format:** This field is not entered in the database.

**Data entry screen prior to entry:** _ _ _ _ (if it is decided this field will be part of the new electronic crash form)

**How entered:** Officer may make an entry (on the form) such as MNTH

**Typical examples:** ISTH, USTH, MNTH, CSAH, etc

**Stored in database as:** not currently entered in database

**Defaults / missing values:**

**Edit checks:**
**Valid values:**

**A128: FEATURE: Name or number of the road (or of the bridge, or of whatever feature the distance measure was made from)**

**Source: Police accident report:** yes **Citizen accident report:** yes
Reported by officers and citizens, but not entered in computer, and used only used to aid locaters to assign correct reference point.
**In original database:** no **In sanitized database:** no
**Format:** allocate about 30 spaces (?) on electronic form for officer's (or citizen's) use.
**Data entry screen prior to entry:** _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
**How entered:** see typical examples
**Typical examples:** Sixth Street, Sleepy Eye western city limit, Bridge over McCarty Creek
**Stored in database as:** Not entered in database
**Defaults / missing values:** not applicable
**Edit checks:** none
**Valid values:** anything

**A129: LOCNAR: Location narrative, or description.**

**Source: Police accident report:** yes **Citizen accident report:** yes
The location narrative currently (pre-1-1-03) has 50 columns provided in the ARDB (accident records database). The LOCNAR is composed by AR "locaters." It sums up the locater's best verbal description of where the crash occurred, based on the various pieces of information provided on the officer's and citizen's report.
The locaters leave the LOCNAR blank about 85% of the time. When they do fill it in, the entry is sometimes cryptic. Here are examples:

1. Miller trk hwy; 40 f n of Birchwood Dr. Hermantown
2. MP 123
3. & W Dan Patch Ave not on map/fiche?
4. 8100 blk of Washington Alley
5. & East Brainerd Mall ??
6. Haven Rd & Heron Rd ??
7. Lost Moose Lk Rd .5m E of T-476

**In original database:** yes **In sanitized database:** yes
**Format:** 50 column alphanumeric
**Data entry screen prior to entry:** _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
**How entered:** free field text
**Typical examples:** see above
**Stored in database as:** as entered.
**Defaults / missing values:** none
**Edit checks:** none
**Valid values:** anything

**A130: RELYDPS: Locater's level of confidence in reliability of location information entered into computer**

**Source: Police accident report: Citizen accident report:**
Locater's opinion, which comes in part from information provided on officer and citizen reports, about reliability (or accuracy) of location entered in computer
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column numeric
**Data entry screen prior to entry:** _
**How entered:** n
**Typical examples:** 1, 2, or 3
**Stored in database as:** n
**Defaults / missing values:**

- If locater has not entered a value in REFPT (A126), computer should enter 8, for not applicable.
- If coder has entered a value in REFPT (A126), computer should enter 0, for "left blank."

**Edit checks:** none
**Valid values:**

1=high confidence
2=medium confidence
3=low confidence
8=crash was not "geocoded" and so LOCREL is "not applicable."
0=crash was located, but locater left LOCREL blank.

**A131: PROPOWNR: Owner of damaged property**

**Source: Police accident report:** yes **Citizen accident report:** yes
Officers and citizens complete this field on their report forms, but it is not entered in the database
**In original database:** no **In sanitized database:** no
**Format:** allocate 20 or 30 alphanumeric spaces (?) for entry on electronic form.
**Data entry screen prior to entry:** _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
**How entered:** not entered in database
**Typical examples:** State of Minnesota (e.g., for a highway sign), City of Minneapolis (e.g., a no-parking sign)
**Stored in database as:** not entered
**Defaults / missing values:** NA
**Edit checks:** NA
**Valid values:** NA

**A132: PROPDES: Description of damaged property**

**Source: Police accident report:** yes **Citizen accident report:** yes
Officers and citizens complete this field on their report forms, but it is not entered in the database
**In original database:** no **In sanitized database:** no
**Format:** allocate 30 or 40 or 50 (?) spaces for alphanumeric entry on electronic form
**Data entry screen prior to entry:** _ _ _ _ _ _ ... etc
**How entered:** not entered in database
**Typical examples:** Speed limit sign knocked to ground, collided with no-parking sign.
**Stored in database as:** not entered in ARDB
**Defaults / missing values:** NA
**Edit checks:** NA
**Valid values:** NA

**A133: TAGNUM: Yellow (or Damaged Property) Tag Number**

**Source: Police accident report:** yes **Citizen accident report:** no
Officers complete this field on their report forms, but it is not entered in the database.
Note: normally, only State Patrol troopers have "yellow tags," so only trooper would enter the yellow tag number. In a few cases, though, other types of officers might have some yellow tags, and should be able to enter a yellow tag number.
**In original database:** not currently **In sanitized database:** not currently
**Format:** Currently, 6-column numeric; allocate 7 or 8 column alphanumeric (?)
**Data entry screen prior to entry:** _ _ _ _ _ _ _ _
**How entered:** not entered, currently
**Typical examples:** 102915
**Stored in database as:** NA (currently)
**Defaults / missing values:** NA (currently)
**Edit checks:** NA (currently)
**Valid values:** NA (currently)

**A134: ACCYTPE: Type of accident by first harmful event (NOTE: THIS IS A 'REQUIRED', or systemic, FIELD. The officer must enter a valid value.)**

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** 2-column numeric
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02
**Stored in database as:** nn (with leading zero)

**Defaults / missing values**: If the officer and citizen reports do not indicate a valid value, then the coder should make his or her best judgment about the correct value, and enter that. (A value of 99, for unknown, may be entered -- if the reports show that, and that is the reasonable best that can be done, or if the reports do not show a valid value, and the coder cannot determine a reasonable value.)

**Edit checks:** If ACCYTPE=6 then one of the vehicle types must = 53
If ACCYTPE=7 then one of the vehicle types must = 51

**Valid values:**

01 = Collision with motor vehicle in transport
02 = Collision with parked motor vehicle
03 = Collision with roadway equipment--snowplow
04 = Collision with roadway equipment--other
05 = Collision with train
06 = Collision with pedalcycle
07 = Collision with pedestrian
08 = Collision with deer
09 = Collision with other animal
10 = Collision -- underride, rear
11 = Collision -- underride, side
12 = Collision with non-fixed object of other type
13 = Other type of collision
14 = Collision with non-fixed object of unknown type
21 = Collision with construction equipment
22 = Collision with traffic signal
23 = Collision with RR crossing device
24 = Collision with light pole
25 = Collision with utility pole
26 = Collision with sign structure or post
27 = Collision with mailboxes and/or posts
28 = Collision with other poles
29 = Collision with hydrant
30 = Collision with tree/shrubbery
31 = Collision with bridge piers
32 = Collision with median safety barrier
33 = Collision with crash cushion
34 = Collision with guardrail
35 = Collision with fence (non-median barrier)
36 = Collision with culvert / headwall
37 = Collision with embankment / ditch / curb
38 = Collision with building / wall
39 = Collision with rock outcrops
40 = Collision with parking meter
41 = Collision with other fixed object
42 = Collision with unknown type of fixed object
51 = Overturn / rollover
52 = Submersion
53 = Fire / explosion
54 = Jackknife
55 = Loss/spillage non-haz mat
56 = Loss/spillage hazardous mat
64 = Non-collision of other type
65 = Non-collision of unknown type
90 = Other type of accident
99 = Accident of unknown accident type

**A135: SBUS1: Was a school bus involved, either directly, or indirectly.**

**NOTE: This field is a super-required, or systemic, field.**

**Source: Police accident report:** yes **Citizen accident report:** no (but see following)
The school bus field is not explicit on the citizen report form, but it would be obtainable from the citizen report form.

**In original database:** Yes **In sanitized database:** yes

**Format:** 2 column numeric: nn (with leading zero).

**Data entry screen prior to entry:** _ _
**How entered:** 01, 02, 03, 99
**Typical examples:** 03
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If officer and citizen report leave this field blank, and coder cannot determine a proper value, then coder should leave the field blank, and the computer should enter 00 to signify "left blank."
**Edit checks:** If SBUS1=01 then there must be at least one vehicle record with VEHTYPE = 7 or 8 and with VEHUSE = 3
**Valid values:**
01 = Yes, involved directly
02 = Yes, involved indirectly
03 = No
99 = Officer indicated school bus involvement unknown
00 = Officer left this field blank and citizen report does not permit absolute conclusion that a school bus was or was not involved.

**A136. LOCFHE: Location relative to the roadway where the first harmful event in the crash occurred.**
**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02, etc.
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If officer leaves field blank, coder should tab over field and computer should enter 00 to signify "left blank."
**Edit checks:** None
**Valid values:**
01 = On roadway (alley, driveway, etc.)
02 = On shoulder
03 = On median
04 = On roadside
05 = On separator
06 = In parking lot
07 = Private property
08 = Outside right-of-way
90 = Other
99 = Unknown
00 = Officer should have completed this field, but failed to do so.

**A137: BRIDGE: Did this crash occur on a bridge (y/n)?**
**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 1-column alphanumeric
**Data entry screen prior to entry:** _
**How entered:** a
**Typical examples:** y, n
**Stored in database as:** a
**Defaults / missing values:** If officer leaves field blank, coder should tab over field and computer should enter z, to signify "left blank."
**Edit checks:** none
**Valid values:**
y = yes
n = no
x = officer entered unknown
z = officer left field blank

**A138: WORKZONE: Did this crash occur in a workzone, and if so, what type of workzone?**

The design of the new crash report form was deficient on this field, in that there is no category available for the officer to check, in effect, "no, the crash did not occur in a workzone." Therefore, the "defaults" will be handled in an atypical manner.

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** two column numeric
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 98, 01, etc
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:**

For this field, the value "98" shall mean: "not applicable," and in turn this shall mean, in effect, "No, the crash did not occur in a workzone."

Therefore, use the following atypical procedure: If the officer enters "98" in the box, or draws a slash through the box, or writes an "N" in the box, then these entries shall be interpreted as "no, the crash did not occur in a workzone," and the coder should enter 98 [meaning both (1) no, and (2) not applicable..]

If the officer leaves the field blank, the coder should tab over the field and the computer should enter 00, to signify that the officer left the field blank.

**Edit checks:** None
**Valid values:**

01=Lane closure
02=Lane shift/crossover
03=Work on shoulder or median
04=Intermittent
05=moving workzone
90=Other
98=Not applicable (also meaning "no, the crash did not occur in a workzone")
99=Unknown
00=Officer and / or citizen should have completed this field, but failed to do so

**A139. LOCWZ: Location of crash relative to workzone**

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 2-column numeric
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:**

If this field is left blank, coder should tab over the field and computer should:

If A138 = 98, computer should enter 98.
If A138 = 00, computer should enter 00.

**Edit checks:**
**Valid values:**

01 = Before 1st warning sign
02 = Advance warning area
03 = Transition area
04 = Activity area
05 = Termination area
90 = Other
98 = Not applicable
99 = Officer report, and citizen report if there was one, indicated that it was not known whether the crash occurred in a workzone.
00 = Officer left this field blank

**A140: WORKERS: Were workers present in workzone when the crash occurred?**

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric
**Data entry screen prior to entry:** _
**How entered:** a
**Typical examples:** y, n

**Stored in database as:** y, n, i, x, z
**Defaults / missing values:** If officer leaves field blank, coder should tab over the field and computer should:
If A138 = 98, computer should enter i.
If A138 = 00, computer should enter z.
**Edit checks:**
**Valid values:**
y = yes
n = no
i = inapplicable
x = officer entered unknown.
z = field should have been completed, but officer left field blank

**A141: RDDESIGN: Road Design**
**Source: Police accident report:** yes **Citizen accident report:** sometimes implicitly
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 03
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If officer leaves field blank, coder should tab over field, and computer should enter 00
**Edit checks:**
**Valid values:**
01 = Freeway--mainline
02 = Freeway--ramps
03 = Other divided highway
04 = One-way street
05 = 4-6 lanes undivided (2 to 3 lanes each way)
06 = 3 lanes undivided
07 = 5 lanes undivided (center left turn lane)
08 = 2 lanes--1 each way
09 = Alley / driveway
10 = Road on private property
90 = Other
99 = Officer and / or citizen reports indicated that road design was unknown
00 = Officer should have completed this field, but failed to do so.

**A142: RDSURF: Road Surface Condition**
**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If not shown on reports, coder should tab over field and computer should enter 00 (=left blank).
**Edit checks:**
**Valid values:**
01 = Dry
02 = Wet
03 = Snow
04 = Slush
05 = Ice / packed snow
06 = Water (standing, moving)
07 = Muddy
08 = Debris
09 = Oily
90 = Other
99 = Office and / or citizen reports indicated that road surface condition was unknown

00 = Officer and / or citizen should have completed this field, but failed to do so

**A143: RDCHAR: Roadway Characteristics**

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If officer leaves field blank, coder should tab over field and computer should enter 00 (left blank).
**Edit checks:**
**Valid values:**
01 = Straight and level
02 = Straight and grade
03 = Straight at hillcrest
04 = Straight at sag
05 = Curve and level
06 = Curve and grade
07 = Curve at hillcrest
08 = Curve at sag
90 = Other (e.g. combination)
99 = Officer reported that RDCHAR was unknown
00 = Officer should have completed this field, but failed to do so

**A144: DEVICE1: Type of traffic control device, if any, present at location of crash.**

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If left blank on reports, coder should tab over field and computer should enter 00.
**Edit checks:**
**Valid values:**
01=Traffic signal
02=Overhead flashers
03=Stop sign -- all approaches
04=Stop sign - not all approaches
05=Yield sign
06=Officer/flagperson/sch patrol
07=School bus stop arm
08=School zone sign
09=No passing zone
10=RR crossing--gate
11=RR crossing--flashing lights
12=RR crossing--stop sign
13=RR overhead flashers
14=RR overhead flashers and gates
15=RR crossbuck
90=Other*
98=Not applicable
99=Officer and / or citizen reported that type of traffic control device was unknown
00=Officer and / or citizen should have completed this field, but failed to do so

**A145: WORKING: Was signal working properly**

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric

**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If left blank on reports, coder should tab over field and computer should fill the field as follows:
If A43=98, computer should fill A44 with 98
Else, computer should fill A44 with 00
**Edit checks:** If A43=98, A44 must =98.
**Valid values:**
01=Signal working properly
02=Signal not working properly
03=Signal working in modified fashion
04=Signal obscured/damaged
90=Other
98=Not applicable
99=Officer reported that WORKING was unknown
00=Officer should have completed this field, but failed to do so

**A146: . INTREL: Location of the crash relative to intersection or junction**
**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If officer leaves field blank, coder should tab over field and computer should enter 00
**Edit checks:**
**Valid values:**
01 = Not at intersection or junction
02 = T-intersection
03 = Y-intersection
04 = 4-legged intersection
05 = 5-or-more-legged intersection
06 = Traffic circle or roundabout
07 = Intersection-related
08 = At alley or driveway access
09 = At school crossing
10 = At railroad crossing
11 = At recreational trail crossing
20 = Interchange -- on ramp
21 = Interchange -- off ramp
22 = Interchange -- other area
90 = Other
99 = Officer reported that INTREL was unknown
00 = Officer should have completed this field, but failed to do so

**A147: SPLIMIT: What was the posted speed limit on the roadway where the first harmful event occurred?**
**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 15, 20, 25, 30, 35, 45, 55, 60, 65, 70
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If left blank on all reports, coder should tab over field and computer should enter 00.
**Edit checks:**

**Valid values:**

05 -- 70 = speed limit
99 = Officer and /or citizen reported that SPLIMIT was unknown
00 = Officer and / or citizen should have completed this field, but failed to do so

**A148: WEATHER1: First weather condition**

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If left blank on all reports, coder should tab over field and computer should enter 00.
**Edit checks:**
**Valid values:**

01 = Clear
02 = Cloudy
03 = Rain
04 = Snow
05 = Sleet/hail/freezing rain
06 = Fog / smog / smoke
07 = Blowing sand/dust/snow
08 = Severe crosswinds
90 = Other
99 = Officer and / or citizen reported that WEATHER1 was unknown
00 = Officer and / or citizen should have completed this field, but failed to do so

**A149: WEATHER2: Second weather condition**

**Source: Police accident report:** yes **Citizen acc report:** no (at least, not on current form)
**In original database:** yes **In sanitized database:** yes
**Format:** nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02
**Stored in database as:** nn (with leading zero)
**Defaults / missing values: :** If left blank on all reports, coder should tab over field and computer should enter 00.
**Edit checks:**
**Valid values:**

01 -- 90 = same as A148
99 = Officer reported that WEATHER2 was unknown
00 = Officer did not complete this field.

**A150: LIGHT: Light Condition**

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If left blank on reports, coder should tab over field, and computer should enter 00.
**Edit checks:** "LIGHT" condition should be consistent with "ACCTIME." For example, if accident happened at 0000 or 0100, LIGHT should not be 01 If accident happened at 0600, LIGHT should not be 03.
**Valid values:**

01 = Daylight
02 = Sunrise
03 = Sunset

04 = Dark (street lights on)
05 = Dark (street lights off)
06 = Dark (no street lights)
07 = Dark (unknown lighting)
90 = Other
99 = Officer and / or citizen reported that LIGHT was unknown
00 = Officer and / or citizen should have completed this field, but failed to do so

**A151: PHOTOS: Were photos taken (y/n)?**

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 1-column alphanumeric
**Data entry screen prior to entry:** _
**How entered:** a
**Typical examples:** y, n
**Stored in database as:** a
**Defaults / missing values:** If officer leaves field blank, coder should tab over field and computer should enter z, for left blank.
**Edit checks:** none
**Valid values:**

y=yes
n=no
x = Officer reported that PHOTOS was unknown
z = Officer should have completed this field, but failed to do so

**A152: DIAGRAM: Type of vehicular relationships that led to the crash**

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02, 03
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If officer leaves field blank, coder should tab over field and computer should enter 00, for left blank.
**Edit checks:** none
**Valid values:**

01 = Rear end
02 = Sideswipe -- same direction
03 = Left turn
04 = Ran off road--left side
05 = Right angle
06 = Right turn
07 = Ran off road--right side
08 = Head on
09 = Sideswipe opposing
90 = Other
98 = Not applicable
99 = Officer reported that DIAGRAM was unknown
00 = Officer left field blank

**A153: RANK: Officer rank**

**Source: Police accident report:** yes **Citizen accident report:** no
This field is not currently entered in the database, and it does not need to be entered in the future.
On the web application, this field may require spaces, perhaps, for words such as Deputy, Patrolman, Trooper, Corporal, and so on.
**In original database:** no **In sanitized database:** no
**Format:** see above
**Data entry screen prior to entry:** see above
**How entered:** see above
**Typical examples:** see above

**Stored in database as:** not anticipated to be stored in database
**Defaults / missing values:**
**Edit checks:**
**Valid values:**

**A154: OFCRNAME: Reporting officer's name**

**Source: Police accident report:** yes **Citizen accident report:** no

The officer's crash report form has a space at the bottom for the officer to show rank, name, and badge number. The citizen's form has a space for the person who filled it out to sign their name.

On the web application, this field may require 30 spaces or so.

**In original database:** no **In sanitized database:** no
**Format:** See above
**Data entry screen prior to entry:** See above
**How entered:** See above
**Typical examples:** see above
**Stored in database as:** not anticipated to be stored in the database
**Defaults / missing values:**
**Edit checks:**
**Valid values:**

**A155: BADGENO: Reporting officer's badge number**

**Source: Police accident report:** yes **Citizen accident report:** yes

This field is not entered in the database currently.

On the web application, perhaps 5 spaces should be allocated for badge number.

**In original database:** No **In sanitized database:** No
**Format:** See above
**Data entry screen prior to entry:** see above
**How entered:** See above
**Typical examples:** See above
**Stored in database as:** Not anticipated to be stored in the database.
**Defaults / missing values:**
**Edit checks:**
**Valid values:**

**A156: AGENCY: Law enforcement agency that reporting officer works for**

**(This field is for city police and county sheriffs, not state troopers. State troopers will show their patrol district and station in the next field: A157)**

**Source: Police accident report:** yes **Citizen accident report:** yes

(The citizen's form has a space for the citizen to show whether an officer was at the scene, and if so, the name of the city or county the officer works for.)

An officer will enter something like: Forest Lake PD, or Benton Co SO. That will have to be converted to the proper numeric code

**In original database:** yes **In sanitized database:** yes
**Format:** 4 column numeric: nnnn
**Data entry screen prior to entry:** _ _ _ _
**How entered:** nnnn
**Typical examples:** Forest Lake PD (city of Forest Lake= 1325)
Benton Co SO (Benton County = 0005)
**Stored in database as:** nnnn
**Defaults / missing values:** If reports leave field blank, coder should tab over field and computer should enter 0000, for "left blank."
**Edit checks:**
**Valid values:**

The values for this field may take the following patterns:

- 0001 through 0087 (for Aitkin county through Yellow Medicine County --for an officer of a county sheriff's department)
- 0005 through 4230 (for City of Ada through City of Zumbrota - - for an officer of a municipal police department)

- Note that 0005, for example, could mean either: Benton County, or the city of Ada. Thus, this field may only be used in conjunction with field A158 below.

**A157: DISTSTA: State Patrol district and station that the reporting trooper is assigned to**

A separate field, named PATSTA, will be listed later (see A303). (The PATSTA field, which will be filled through a link to MNDOT TIS files, will show the State Patrol District and Station within which the accident occurred.)

This DISTSTA field shows the Minnesota State Patrol district and station the reporting officer is assigned to (only when the officer is a trooper, as opposed to a police or sheriff officer).

[The current (pre 1-1-03) database has the field called PATSTA, but does not have this new field to be called DISTSTA.]

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 4 column numeric
**Data entry screen prior to entry:** _ _ _ _
**How entered:** nnnn
**Typical examples:** 2120, 2130, 2220
**Stored in database as:** nnnn
**Defaults / missing values:** If officer leaves field blank, coder should tab over field, and computer should:

- If A158 = 1, computer should enter 0000 for (trooper left field blank)
- If A157 not = 1, computer should enter 0098 for not applicable

**Edit checks:**
**Valid values:**

The state patrol districts are: 2100, 2200, 2300, 2400, 2500, 2600, 2700, 2800, 2900, 3100, 3200, 4600, and 4700.
Within a district, there are stations: 10, 20, 30, and so on.
Thus, DISTSTA field will have values such as 2110, 2120... and so on.
0098 = not applicable (report was not submitted by a trooper)
0000 = Trooper should have completed this field but failed to do so

**A158: OFCRTYPE: Type of law enforcement officer who is filling out crash report**

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:**

- If there is no officer report, and the coder is using the citizen report, coder should enter 98
- If there is an officer report, and officer leaves field blank, coder should tab over field, and officer and computer should enter 00, for left blank

**Edit checks:**
**Valid values:**

01 = State patrol
02 = Sheriff
03 = Local (city police)
90 = Other officer type
98 = Not applicable (citizen report)
99 = Unknown officer type
00 = Officer should have completed this field but failed to do so

**A159: COMPNAR: Officer's complete narrative description of the crash**

Apparently there is a plan to enter the officer's narrative of the crash into the database. Also, there is discussion of entering a shortened version of the narrative (see A216), in addition to the complete narrative.

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:**

**Data entry screen prior to entry:**
**How entered:**
**Typical examples:**
**Stored in database as:**
**Defaults / missing values:**
**Edit checks:**
**Valid values:**

**A160: SKETCH: Officer's sketch, or diagram of the crash**
**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** ? **In sanitized database:** ?
**Format:**
**Data entry screen prior to entry:**
**How entered:**
**Typical examples:**
**Stored in database as:**
**Defaults / missing values:**
**Edit checks:**
**Valid values:**

**Part A2: This part shows accident-level fields that are not on the form itself. These fields are created by the computer , and are derived from fields that are entered directly into the computer from the crash reports.**

**A201: ACCSEV1: Accident severity (first scale), based on most severe injury**

Accsev1 should be computed from information provided on either or both the police or citizen crash reports at the person level, as follows:

- If any person record has injsev1='k' then accsev1='k' (fatal crash).
- If any person record has injsev1='a' and no person record has injsev1='k' then accsev1='a' (severe-injury-level crash).
- If any person record has injsev1='b' and no person record has injsev1=('k' 'a') then accsev1='b' (moderate-injury-level crash).
- If any person record has injsev1='c' and no person record has injsev1=('k' 'a' 'b') then accsev1='c' (minor-injury-level crash).
- If all person records have injury level = 'n' (no apparent injury) then accsev1='n' (property damage only crash).

**In original database:** yes **In sanitized database:** yes

**Format:** 1 column alphanumeric: a

**Defaults / missing values:** This field must be filled with a valid value for every single crash. "Unknown" is not permitted.

**Valid values:**

k = Fatal crash
a = Severe injury crash
b = Moderate injury crash
c = Minor injury crash
n = property damage only crash

**A202: ACCSEV2: Accident severity (second scale), based on most severe injury**

**Source: Police accident report:** yes **Citizen accident report:** yes

Accsev2 should be computed from information provided on either or both the police and citizen crash reports, as follows:

- If any person record has injsev1='k' then accsev2=1 (fatal crash).
- If any person record has injsev1=('a' 'b' 'c') and no person record has injsev1='k' then accsev2=2 (injury crash).
- If all person records have injsev1='n' then accsev2=3 (property damage crash).

**In original database:** yes **In sanitized database:** yes

**Format:** 1 column numeric: n

**Defaults / missing values:** This field must be filled with a valid value for every single crash. "Unknown" is not permitted.

**Valid values:**

1 = Fatal crash
2 = Injury crash
3 = Property damage only crash

**A203: HITRUN2: Did this crash involve a vehicle identified as a "hit-and-run" vehicle?**

**Source: Police accident report:** yes **Citizen accident report:** yes

Hitrun2 is parallel to Hitrun1, except Hitrun2 should be derived by computer.

- If any vehicle record has vehicle use (vehuse) = y, then Hitrun2=y (yes).
- Else hitrun2=n (no).

**In original database:** yes **In sanitized database:** yes

**Format:** 1 column alphanumeric: a

**Valid values:**

y = yes
n = no

**A204: NUMVEH2: Number of motorized vehicles in transport involved in this crash**

**Source: Police accident report:** yes **Citizen accident report:** no

Numveh2 is parallel to numveh1 (entered by the officer on the crash report).

If a vehicle has VEHTYPE not = (51, 52, 53, 54) and has INTRANS = Y, then that vehicle should contribute a count of 1 to NUMVEH2 for this accident.
(In other words, pedestrians, skaters, bicyclists, other non-motorists, parked vehicles, and road maintenance vehicles that are working are not vehicles in transport, and so should not be counted.)

**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn (with leading zero)
**Valid values:** 01 to 99 (00 is not valid)

**A205: NUMFAT2: Number of persons killed in the accident**

**Source: Police accident report:** yes **Citizen accident report:** yes
Numfat2 is parallel to the numfat1, from the officer or citizen reports.
Numfat is the sum of the person records that have injury severity (injsev1) = 'k'.
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn (with leading zero)
**Valid values:** 00 to 99

**A206: NUMINJ2: Number of persons non-fatally injured in the accident**

**Source: Police accident report:** yes **Citizen accident report:** yes
Numinj2 is parallel to numinj1.
Numinj2 is the sum of the person records that have injsev1 = (a, b, c).
**In original database:** yes **In sanitized database:** yes
**Format:** nn (with leading zero)
**Valid values:** 00 to 99

**A207: ACMONTH: Month in which the accident occurred**

**Source: Police accident report:** yes **Citizen accident report:** yes
ACMONTH should be computed from the ACCDATE field.
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn (with leading zero)
**Valid values:** 01 thru 12. (unknowns are not permitted; every crash must be assigned to a date.)
01 -- 12 = January -- December

**A208: ACCDAY: Day of week on which the accident occurred**

**Source: Police accident report:** yes **Citizen accident report:** yes
ACCDAY should be computed from the ACCDATE field
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column numeric: n
**Valid values:** 1 thru 7 (unknowns are not permitted; every crash must be assigned to a date.)
1 -- 7 = Sunday .... Saturday

**A209: ACCTIME2**

**Source: Police accident report:** yes **Citizen accident report:** yes
ACCTIME2 should be computer from the ACCTIME1 field, which is entered in the computer from the police or citizen accident report.

- If ACCTIME1 = (0000 through 0059) then ACCTIME2 = 01
- If ACCTIME1 = (0200 through 0159) then ACCTIME2 = 02
- ...
- If ACCTIME1 = (2300 through 2359) then ACCTIME2 = 23
- If ACCTIME1 = 9998 then ACCTIME2 = 98
- If ACCTIME1 = 9999 then ACCTIME2 = 99

**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn (with leading zero)
**Valid values:**
00=midnight to 12:59 AM
02=1:00 AM to 1:59AM
.....
22=10:00 PM to 10:59 PM
23=11:00 PM to 11:59 PM
98=Officer and / or citizen should have completed this field, but failed to do so
99=Officer and /or citizen reported that ____ was unknown

**A210: ALCOHOL: Was alcohol involved in crash?**

**Source: Police accident report:** yes **Citizen accident report:** no

ALCOHOL should be computed from information entered by the officer on the crash report -- at the person level.

- If any person record has PTYPE = (1, 5, 6) and has PHYSCND = (2,3,4) then ALCOHOL = y.
- Else ALCOHOL = n.

**In original database:** yes **In sanitized database:** yes

**Format:** 1-column alphanumeric: a

**Valid values:**

y = yes

n = no (meaning, no person had physcnd = 2,3,4)

**A211: SPEED: Was "illegal or unsafe speed" cited as a contributing factor for any of the motor vehicles in this crash.**

**Source: Police accident report:** yes **Citizen accident report:** no

SPEED should be computed from information entered by the officer on the crash report -- at the vehicle level.

- If any vehicle record has CFCT1 = 3 or has CFCT2 = 3, then SPEED = y.
- Else SPEED = n

**In original database:** yes **In sanitized database:** yes

**Format:** 1 column alphanumeric: a

**Valid values:** y = yes. n=no.

**A212: MCYCLE: Did this crash involve a motorcycle in transport?**

**Source: Police accident report:** yes **Citizen accident report:** yes

MCYCLE should be computer from information provided by the officer or citizen on the crash reports.

- If any vehicle record has VEHTYPE = 11 and has ACTION not = (21,22,23) then MCYCLE = y.
- Else MCYCLE = n

**In original database:** yes **In sanitized database:** yes

**Format:** 1 column alphanumeric: a

**Valid values:** y = yes n=no

**A213: SBUS2: Was a school bus in transport directly involved in this crash?**

**Source: Police accident report:** yes **Citizen accident report:** yes

SBUS2 is similar to SBUS1, but with important difference: SBUS1 documents direct or indirect school bus involvement. SBUS2 documents only direct school bus involvement. SBUS2 should be computed as follows:

- If any vehicle record has VEHTYPE = (7,8) and has VEHUSE = 3 and has ACTION not (21,22,23) then SBUS2 = y.
- Else SBUS2 = n.

**In original database:** yes **In sanitized database:** yes

**Format:** 1 column alphanumeric: a

**Valid values:** y = yes n= no.

**A214: BIKE: Did this crash involve a bicycle?**

**Source: Police accident report:** yes **Citizen accident report:** yes

BIKE should be computed as follows:

- If any vehicle record has VEHTYPE = 53 and has then BIKE = y.
- Else BIKE = n.

**In original database:** Yes **In sanitized database:** yes

**Format:** a column alphanumeric: a

**Valid values:** y = yes n = no

**A215 : TRUCK: Did this crash involve a truck in transport?**

**Source: Police accident report:** yes **Citizen accident report:** yes

TRUCK should be computed as follows:

- If any vehicle record has VEHTYPE = (31 32 33 34 35 36 37 38) and has VEHUSE not = (13 15) and has ACTION not = (21 22 23), then TRUCK = y.
- Else, truck = n

**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric: a
**Valid values:** y = yes n = no

**A216: SHORTNAR: Officer's narrative description of the crash: shortened version**
**Source: Police accident report:** yes **Citizen accident report:** no
This is an abbreviated version of A159
**In original database:** yes **In sanitized database:** yes
**Format:**
**Data entry screen prior to entry:**
**How entered:**
**Typical examples:**
**Stored in database as:**
**Defaults / missing values:**
**Edit checks:**
**Valid values:**

**Part A3: Fields at the accident level that are obtained through links to MNDOTS's TIS system** (except for A324, RELYDOT, which comes from a 'transaction file' MNDOT supplies to OTSS about once per month.)

**Note regarding desirability of obtaining these fields and adding them into the ARDB:**

Loren Hill, MNDOT's Traffic Safety Engineer, questioned the feasibility or desirability of attempting to add all of these fields into the ARDB. For example, when these fields were recommended in the MMUCC (NHTSA's Minimum Model Uniform Crash Criteria guideline), Loren suggested that it was a stretch to call all of these elements merely a "minimum" list of desirable elements.

Indeed, Minnesota will be unusual if we can add all of these fields into the ARDB. Nevertheless, the data elements listed below appear to already exist and to be readily and freely available through the link to TIS. Thus, it is desirable to include these data elements, unless there is a specific reason why one or more should not be included.

**A301: XCOORD: (the X Coordinate: a horizontal line on plane of the earth)**

**Source:** The X coordinate is not the same as the latitude, but is systematically related to the lines of latitude on the earth's surface.

The X coordinate is generated in TIS based on the reference point (see A323) assigned by TIS (on the basis of the location information entered by DVS/AR).

It appears that, currently, above 95% of crashes have a reference point assigned to them, but only about 40% of crashes have X and Y coordinates entered from TIS into the ARDB.

**In original database:** yes **In sanitized database:** yes
**Format:** 6 column numeric: nnnnnn
**Typical example:** 485383
**Valid values:** ?

**A302: YCOORD: (the Y Coordinate: a vertical line on plane of earth)**

**Source:** The Y Coordinate is not identical to a line of longitude on the surface of the earth, but is systematically related to the lines of longitude.

It is generated similarly to the X Coordinate and is combined with the X coordinate to produce the "XY Coordinate" -- the precise point where the accident occurred.

The XY coordinate locating system permits the use of GIS systems to map crashes.

**In original database:** yes **In sanitized database:** yes
**Format:** 7 column numeric: nnnnnnn
**Typical example:** 4968860
**Valid values:** ?

**A303: PATSTA: State Patrol district and station in which the crash occurred.**

**Source:** MNDOT's TIS data element: RLG.PTRL-STATION

If a crash was reported by a trooper, MNDOT's TIS system determines the State Patrol District and station (a section within a district) where the crash occurred, and enters that into the ARDB.

[Note the DISTSTA (see A157) gives the district and station the trooper is assigned to. This field PATSTA give the district and station the crash occurred in.)

**In original database:** yes **In sanitized database:** yes
**Format:** in TIS: 4 column character: aaaa
**Typical example:** 2220, 3110, 2740
**Valid values:** See A157

**A304: FUNCLASS: Functional classification of roadway on which crash occurred**

**Source:** MNDOT's TIS data element: RLG.FUNCT-CLASS.
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn (with leading zero)
**Valid values:**

01=Rural principal arterial-- interstate
02=Rural principal arterial--other
06=Rural minor arterial
07=Rural major collector
08=Rural minor collector
09=Rural local systems
11=Urban principal arterial-- interstate
12=Urban principal arterial other freeway or expressway
13=Urban principle arterial other
16=Urb minor arterial
17=Urban collector
19=Urban local systems
00=Not applicable

**A305: POPJURIS: Population of city which accident occurred**

**Source:** MNDOT's TIS data element: RLG.POP-FROM-CITY.

Note that currently ( pre-1-1-03), there is a field in the ARDB we call URBRUR (that comes from the TIS field named RLG.RUR-URB-FROM=CITY) that shows the population of the jurisdiction in terms of 9 population categories: 0 to 999, 1,000 to 2,499, 5,000 to 9,999, and so on.

It would be more useful for the ARDB to show the actual population. The population is contained in the TIS data-element named RLG.POP-FROM-CITY.

**In original database:** yes **In sanitized database:** yes
**Format:** 7 column numeric (no comma): nnnnnnn
**Typical example:** 379459 (population of Minneapolis)
**Defaults / missing values:** If crash occurred outside boundaries of an incorporated city, POPJURIS = 0000000
**Valid values:**

**A306: BRIDGEID: Unique bridge identification number**

**Source:** MNDOT TIS data element: BDG.BRIDGE-NUMBER
**In original database:** yes **In sanitized database:** yes
**Format:** 6 column character
**Typical example:** '1001' '01001'
**Valid values:**

**A307: NHS: Did this crash occur on a roadway that is part of the National Highway System?**

**Source:** MNDOT's TIS data element: BDG.NHS
**In original database:** yes **In sanitized database:** yes
**Format:** The field is an alphanumeric field in TIS, but is always the number 0 or the number 1.
**Valid values:**
0 = Not part of NHS
1 = Part of NHS

**A308: LANESDEC: Number of through lanes in the decreasing-mileposts direction**

**Source:** MNDOT's TIS data element: RLG.NUM-LANES-DM
**In original database:** yes **In sanitized database:** yes
**Format:** In TIS: 1 column character
**Valid values:**
' ' = not applicable (no lanes)
'1' = 1 lane
'2' = 2 lanes
'3' = 3 lanes
'4' = 4 lanes
'5' = 5 lanes

**A309: LANESINC: Number of through lanes in the increasing-mileposts direction**

**Source:** MNDOT's TIS data element: RLG.NUM-LANES-IM
**In original database:** yes **In sanitized database:** yes
**Format:** in TIS: 1-column character
**Valid values:** Identical to LANESDEC (A308)

**A310: AADT: Average annual daily traffic at the location where the crash occurred**

**Source:** MNDOT's TIS data element: RGC.AADT
**In original database:** yes **In sanitized database:** yes
**Format:** 6 column numeric: nnnnnn
**Valid values:**
000000 = unknown
000001 to 200000 vehicle per day

**A311: AADTYEAR: Calendar year for which AADT is estimated**

**Source:** MNDOT's TIS data element: RGC.YR-AADT
**In original database:** yes **In sanitized database:** yes
**Format:** 4 column numeric: nnnn
**Valid values:**
0000 = no update of data in since original creation of file.
nnnn = year of most recent update to data in file

**A312: ROADDES1: Roadway description 1**

**Source:** MNDOT's TIS data element: RLG.DIVIDED-&-ONE-WAY
**In original database:** yes **In sanitized database:** yes
**Format:** 1-column alphanumeric: a
**Valid values:**
' '=Not applicable
'd'=Divided roadway -- road 1 & road 2 present
'o'=One-way couplet -- road 1 & road 2 present
'u'=Undivided two-way -- road 1 present
'x'=One-way street towards decreasing reference posts -- road 2 present
'z'=One-way street towards increasing reference posts --road 1 present

**A313: ROADDES2: Roadway description 2**

**Source:** MNDOT's TIS data element: RLG.MEDIAN-TYPE
**In original database:** yes **In sanitized database:** yes
**Format:** in TIS: 1 column character
**Valid values:**
' ' = Not applicable
'0' = Median type unknown
'1' = No median barrier, raised median
'2' =. No median barrier, depressed median
'3' = Plate beam barrier
'4' = City block (1-way couplet)
'5' = Box beam barrier
'6' = Concrete barrier
'7' = Chain link barrier, raised median
'8' = Chain link barrier, depressed median

**A314: LANEWID: Lane width at point on road where crash occurred**

**Source:** This should come from TIS, but I cannot find the data element in TIS which gives this information.
**In original database:** yes **In sanitized database:** yes
**Format:** ????
**Valid values:**

**A315: MEDWIDTH: Median width at point on roadway where crash occurred**

**Source:** MNDOT's TIS data element: RLG.MEDIAN-WIDTH
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column alphanumeric
**Valid values:**
' ' = Not applicable
'UN' = Unknown
'VR' = Varies
'00' to '99' = Median width

**A316: SHOLDWID: Shoulder width at point on road where crash occurred**

**Source:** It may not be possible to obtain this data element. In TIS, there are 4 data elements that give the shoulder width (for the left and right shoulders of up to two roadways). (For example, I-94 is one highway, or route number, but has two roads, or roadways.) The 4 data elements are:

RLG.LEFT-SHOULD-WID-RD1
RLG.LEFT-SHOULD-WID-RD2
RLG.RGT-SHOULD-WID-RD1
RLG.RGT-SHOULD-WID-RD2

**In original database:** yes **In sanitized database:** yes

**Format:** 2 column alphanumeric (for each of the above 4)

**Valid values:**

‘ ‘ = Not applicable
‘UN’ = Unknown
‘VR’ = Not applicable
‘00’ - ‘99’ = Should width in feet (where ‘00’ = No shoulder)

**A317: ACCESSCN: Access control on roadway where accident occurred**

**Source:** MNDOT’s TIS data element: RLC.CONTROL-OF-ACCESS

**In original database:** yes **In sanitized database:** yes

**Format:** 1 column numeric

**Valid values:**

0 = not applicable
1 = No control of access
2 = Partial control of access
3 = Full control of access
4 = Not a public road

**A318: INTTYPE: Intersection type (for crashes that occurred at intersections)**

**Source:** MNDOT’s TIS data element: INT.INTSECT-TYPE

**In original database:** yes **In sanitized database:** yes

**Format:** 1 column numeric: n

**Valid values:**

1 = Interchange
2 = Intersection within interchange
3 = Intersection
4 = Mid-block pedestrian crossing
5 = Railroad crossing
6 = Recreation crossing

**A319: INTERDES: Description of intersection (for crashes that occurred at intersections)**

**Source:** MNDOT’s TIS data element: INT.INTSECT-DESCR

**In original database:** yes **In sanitized database:** yes

**Format:** 1 column numeric: n

If INTYTPE = (1 or 2)
1 = Diamond
2 = Half diamond
3 = Folded diamond
4 = Other diamond
5 = Trumpet
6 = Cloverleaf
7 = Partly directional
8 = Full directional
9 = Complex
0 = Other

If INTTYPE = 3
1 = T intersection
2 = Y intersection
3 = Crossing at right angle
4 = Crossing skewed
5 = Greater than 4 legs

If INTTYPE = 4

1 = School crossing
2 = Central business district crossing
3 = Other crossing

If INTTYPE = 5

1 = Single track, right angle
2 = Single track, skewed
3 = Multi track, right angle
4 = Multi-track, skewed

If INTTYPE = 6

0 = Not applicable

**A320. MAINLANS: Mainline number of lanes at intersection**

The MMUCC guide advised that this information be collected, but it may or may not be available through MNDOT's TIS system. The MMUCC guide defines this fields as: "Number of 'thru' lanes on the mainline approaches of an intersection, including all lanes with 'thru' movement ('thru' and left turn, or 'thru' and right turn) but not exclusive turn lanes."

**Source:** The information might be available through MNDOT's TIS data element: INL.ROAD-DESCR

**In original database:** yes **In sanitized database:** yes

**Format:** 1 column numeric: n

**Valid values:**

1 = 2 lanes 2 way
2 = 3 / 5 lanes undivided (2-way with left turn lane)
3 = 4 / 6 lanes undivided (no left turn lanes)
4 = 4 / 6 lanes undivided (with left turn lanes)
5 = 4 / 6 lanes divided (no left turn lanes)
6 = 4 / 6 lanes divided (with left turn lanes)
7 = One-way
8 = Freeway
9 = Other

**A321: MAINVOL: Mainline approach volumes**

The MMUCC guide defines this as "total traffic volume for the mainline approaches of an intersection."

**Source:** MNDOT's TIS data elements: INT.TOTAL-APPR-VOL

(Note: the MNDOT TIS manual defines this as "Total approach volume: the sum of approach volumes for all legs divided by 2. Uses most recent year volumes for each leg.")

**In original database:** yes **In sanitized database:** yes

**Format:** 6 column numeric (for each): nnnnnn

**Valid values:**

000000 = No traffic
000001 to 999999 = [presumably this is the average daily vehicle count, not the total for the year]

**A322: SIDELANS: Side road number of lanes**

The MMUCC guide defines this as "number of 'thru lanes on the side-road approaches at intersection including all lanes with 'thru movement ('thru' and left-turn, or 'thru' and right-turn) but not exclusive turn lanes

**Source:** This information may be available from MNDOT's TIS system, but I cannot find the data elements that would provide this information. They may exist as part of the INL set of data elements.

**In original database:** yes **In sanitized database:** yes

**Format:**

**Valid values:**

**A323: REFPT2: Reference point on roadway where crash occurred.**

**Source:**

See the descriptions of the locating process above.

The locaters enter a temporary reference point into A126. At night, in batch processing, the information entered during the day into A115, A116, A119, A120, and A126 "goes against"

TIS and TIS returns the true reference point (which might be the same or different from what the coders already entered) and writes that on top of field A126.

**In original database:** yes **In sanitized database:** yes

**Format:** nnn+nn.nnnn

**Valid values:**

**A324: RELYDOT: MNDOT's level of confidence in accuracy (or reliability) of location information**

As described previously, MNDOT staff reviews location information of certain crashes, sometimes years after the crash occurred. MNDOT staff may make changes to information. Currently (pre-1-1-03), changes are accumulated in a "transaction" file which every 4 to 6 weeks or so is written on top of the original Accident Records Database .

MNDOT wants to assign its own reliability score to the location information (similar to DPS's RELYDPS).

This field (RELYDOT) can be used to accommodate that score. MNDOT may choose to use values similar to DPS (see A130), or it may adopt different values.

**Source:** Judgment of MNDOT staff person, currently recorded in the "transaction file."

**In original database:** yes **In sanitized database:** yes

**Format:** 2 column alphanumeric (?)

**Valid values:**

not yet determined by MNDOT.

**A325: DEVICE2: Traffic control device at scene where accident occurred**

DEVICE2 is similar to DEVICE1 (see A144), except DEVICE2 is generated through link to MNDOT TIS data

**Source:** MNDOT's TIS data element INT.TRAF-CNTL-DEV

**In original database:** yes **In sanitized database:** yes

**Format:** 1 column numeric: n

**Valid values:**

If INTYTPE = 1
- 0 = Not applicable
- 1 = Unsignalized ramp terminals
- 2 = Signalized ramp terminals

If INTTYPE = (2 or 3)
- 1 = None
- 2 = Thru / yield
- 3 = Thru / stop
- 4 = All stop
- 5 = Flashers - amber /red
- 6 = Flashers - red / red
- 7 = Signals
- 8 = Other

If INTTYPE = 4
- 1 = Pavement marking and signing
- 2 = Flasher - pedestal mount
- 3 = Flasher - overhead
- 4 = Signal

If INTTYPE = 5
- 1 = Crossbuck plus R x R
- 2 = Crossbuck plus R x R plus other warning signs
- 3 = Crossbuck plus stop sign
- 4 = Railroad crossing signal w/o gates - pedestal mount
- 5 = Railroad crossing signal w/o gates - cantilever
- 6 = Railroad crossing signal with gates - pedestal mount
- 7 = Railroad crossing signal with gates - cantilever
- 8 = Other or none

If INTTYPE = 6
- 0 = Not applicable

Special note regarding the following three fields: A326, A327, and A328.
These 3 fields are listed in the interest of providing a comprehensive guide to the fields.
However, I do not know how these fields are generated and used.
See some additional description on page 17, just prior to A115.

**A326: LOCACC: Location accuracy**
**Source:**
**In original database:** yes **In sanitized database:** yes
**Format:** 3 column numeric: nnn
**Valid values:**

**A327: LOCERR: Location error flag**
**Source:**
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric: a
**Valid values:**

**A328: LOCCOM: Location complete flag.**
**Source:**
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric: a
**Valid values:**

Here are more fields I just observed on the list of the current fields now in the ARDB: (see the list of fields in the ARDB, at end of data dictionary)

**A329: ACCCOM: Accident complete flag.**
**Source:**
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric: a
**Valid values:**

**A330: AIN ??.**
**Source:**
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric: a
**Valid values:**

**A331: MNDOT UPDATE DATE.**
**Source:**
**In original database:** yes **In sanitized database:** yes
**Format:** 8 column alphanumeric:
**Valid values:**

**A332: MNDOT UPDATE TIME.**
**Source:**
**In original database:** yes **In sanitized database:** yes
**Format:** 5 column alphanumeric:
**Valid values:**

**A333: DPS UPDATE FLAG**
**Source:**
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric: a
**Valid values:**

**PART V: VEHICLE -LEVEL FIELDS**

| V1: FROM THE REPORTS | | V2: DERIVED FROM OTHER FIELDS | | V3: OBTAINED THROUGH LINK TO OTHER DATABASES | |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| V101 | Accn | | | | |
| V102 | Rvn | | | | |
| V103 | Onrname | | | | |
| V104 | Onradd | | | | |
| V105 | OnrCity | | | | |
| V106 | Fire | | | | |
| V107 | Towed | | | | |
| V108 | Towing | | | | |
| V109 | Direct | | | V301 | VIN |
| V110 | Make1 | | | V302 | Make2 |
| V111 | Series1 | | | V303 | Series2 |
| V112 | Year | | | V304 | Style |
| V113 | Color1 | | | V305 | Year2 |
| V114 | Plate | | | V306 | Color2a |
| V115 | Streg | | | V307 | Color2b |
| V116 | Yrreg | | | | |
| V117 | Event1 | | | | |
| V118 | Event2 | | | | |
| V129 | Event3 | | | | |
| V121 | Event4 | | | | |
| V121 | Mosthar | | | | |
| V122 | Insuranc | | | | |
| V123 | Inspolno | | | | |
| V124 | Cfct1 | | | | |
| V125 | Cfct2 | V201 | Causal | | |
| V126 | Action | | | | |
| V127 | Totocc1 | V202 | Totocc2 | | |
| V128 | Vehtype | | | | |
| V129 | Vehuse | V203 | Intrans | | |
| V130 | Damloc | | | | |
| V131 | Damsev | | | | |
| V132 | Cargobd | | | | |
| V133 | Hazplac | | | | |
| V134 | Waived | | | | |
| V135 | Inspectn | | | | |
| V136 | Badgeno | | | | |
| V137 | Mcname | | | | |
| V138 | Mcidno | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

**PART V1: Fields that exist at the "vehicle" level and that are filled out on the crash report form itself -- either the paper version of the form, or the electronic (web-based) version of the form.**

**V101: ACCN: Accident number**

The ACCN field is carried over from A105 and should be entered onto each vehicle record for the crash. The ACCN field is the key linking variable between the three (ACC VEH and PER) files that make up the ARDB.

**Source:** See the description under A105.
**In original database:** yes **In sanitized database:** yes
**Format:** 9 column numeric: nnnnnnnnn
**Data entry screen prior to entry:**
**How entered:**
**Typical examples:**
**Stored in database as:**
**Defaults / missing values:** Every record must have a valid ACCN value
**Edit checks:**
**Valid values that the database may hold:**

**V102. RVN: Relative vehicle number**

**Source:** Assigned by the computer system at the point where the data entry operator begins to enter data on a vehicle in the crash. The system assign RVN=01 for the first vehicle on which data is entered, 02 for the second vehicle, and so on. Remember that pedestrians, equestrians, bicyclists, and so on, are treated as "vehicles" and should have an RVN assigned to them.
**In original database:** yes **In sanitized database:** yes
**Format:** 2-column numeric: nn (with leading zero)
**Data entry screen prior to entry:** not applicable
**How entered:** not applicable
**Typical examples:** 01, 02,
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:**
**Edit checks:** For one crash, all RVN must be consecutive (no gaps) and mutually exclusive, and must range between 01 to 99. There cannot be a 00
**Valid values that the database may hold:** 01 to 99.

**V103: ONRNAME: Vehicle owner name**

This field is on the police report and on the citizen's report. It is collected on those forms, but is not currently (pre 1-1-03) entered in the computer.

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** not now **In sanitized database:** no
**Format:** ?
**Data entry screen prior to entry:** _ _ _ _ ..... _ _ _ _
**How entered:** not currently entered
**Typical examples:** James R. Smith
**Stored in database as:** not currently stored
**Defaults / missing values:**
**Edit checks:**
**Valid values:**

**V104: ONRADD: Owner address (street address)**

Same as V103.

**Source: Police accident report:** **Citizen accident report:**
**In original database:** **In sanitized database:**
**Format:**
**Data entry screen prior to entry:**
**How entered:**
**Typical examples:**
**Stored in database as:**
**Defaults / missing values:**

**Edit checks:**
**Valid values:**

**V105: ONRCITY: Owner address (city, state and zip)**

Same as V103.

**Source: Police accident report:** **Citizen accident report:**
**In original database:** **In sanitized database:**
**Format:**
**Data entry screen prior to entry:**
**How entered:**
**Typical examples:**
**Stored in database as:**
**Defaults / missing values:**
**Edit checks:**
**Valid values:**

**V106: FIRE: Did this vehicle catch on fire (y/n)**

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric: a
**Data entry screen prior to entry:** _
**How entered:** y or n or x
**Typical examples:** y or n or x
**Stored in database as:** y or n or x or z
**Defaults / missing values:**

If left blank on police report, coder should tab over field and computer should:

- If VEHTYPE = (51, 52, 53, 54) computer should enter i for inapplicable.
- If VEHTYPE not = (51, 52, 53, 54) computer should enter z for 'officer should have completed this field but failed to do so.

**Edit checks:**
**Valid values:**

y = yes
n = no
x = officer reported that it was not known whether the vehicle caught on fire
i = inapplicable
z = officer left the field blank

**V107: TOWED: Was this vehicle towed away from scene of crash (y/n)**

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric: a
**Data entry screen prior to entry:** _
**How entered:** y or n or x
**Typical examples:** y or n or x
**Stored in database as:** y or n or x or y
**Defaults / missing values:** If left blank on police report, coder should tab over field and computer should:

- If VEHTYPE = (51, 52, 53,54), computer should enter i, for inapplicable
- If VEHYTPE not = (51, 52, 53, 54) computer should enter Z, for 'officer should have completed this field but failed to do so.'

**Edit checks:**
**Valid values:**

y = yes
n = no
x = officer reported that it was not known whether the vehicle was towed from the scene.
i = inapplicable
z = officer left the field blank

**V108: TOWING: Was this vehicle towing another unit (trailer, boat, etc.) (y/n/).**

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric: a

**Data entry screen prior to entry:** _
**How entered:** y, n, x
**Typical examples:** y, n
**Stored in database as:** y, n, x, i, z
**Defaults / missing values:** If left blank on police report, coder should tab over field and computer should:

- If VEHTYPE = (51, 52, 53,54), computer should enter i, for inapplicable
- If VEHYTPE not = (51, 52, 53, 54) computer should enter Z, for 'officer should have completed this field but failed to do so.'

**Edit checks:**
**Valid values:**

y = yes
n = no
x = officer reported that it was not known whether the vehicle was towing another unit.
i = inapplicable
z = officer left the field blank

**V109: DIRECT: What direction was the vehicle traveling in prior to the first harmful event in the crash?**

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If left blank on all reports, coder should tab over field and computer should:

- If VEHTYPE = (51, 52, 53,54), computer should enter 98, for inapplicable
- If VEHYTPE not = (51, 52, 53, 54) computer should enter 00 for 'officer should have completed this field but failed to do so.'

**Edit checks:**
**Valid values:**

01 = North
02 = Northeast
03 = East
04 = Southeast
05 = South
06 = Southwest
07 = West
08 = Northwest
90 = Other
98 = Not applicable
99 = Officer and /or citizen reported that DIRECT was unknown
00 = Officer and / or citizen should have completed this field, but failed to do so on all reports

**GENERAL NOTE** regarding the fields V110 through V113 (and some corresponding fields, V301 -- V307):

Currently (pre-1-1-03), the accident records data entry staff enter the license plate into the ARDB. If the license plate was a MN license plate, the plate number goes against the MV Reg file (through a nightly batch process) which then returns 7 fields that are entered into the ARDB:

1. VIN: Vehicle Identification Number. See V301
2. MAKE2 (e.g.: ford, chev, toyt, volk, pont, ...): See V302
3. SERIES2 (containing codes for values such as 'corolla' 'taurus' etc.) See V303.
4. STYLE: (2-door sedan, 4-door sedan, ambulance, convertible, etc.): See V304.

5. MODEL This field appears to have been allocated to hold the model year, but it is always blank. In the new system, this field will be called YEAR2. See V305.
6. COLOR2A (1st of up to 2 colors of vehicle). See V306
7. COLOR2B (2nd of up to 2 colors of vehicle). See V307

But the MV REG system cannot return this information when:

1. A license plate is not from Minnesota.
2. The license plate is from Minnesota , but is entered incorrectly
3. The MV Reg file has incorrect information.
4. A vehicle does not have license places (as with most publicly owned vehicles).

Because of this, the fields lV110 -- V113 should be entered into the computer from the form. This is not done currently. By doing so in the new system, we will have more complete and accurate information than currently.

**V110: MAKE1: Vehicle make (Ford, Lexu, Pont, Buic, Cadi etc.)**

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** 4 column alphanumeric
**Data entry screen prior to entry:** _ _ _ _
**How entered:** aaaa (first 4 letters or make)
**Typical examples:** ford, lexu, pont. ...
**Stored in database as:** aaaa
**Defaults / missing values:** If left blank on all reports, coder should tab over field and computer should:

- If VEHTYPE = (51, 52, 53,54), computer should enter i, for inapplicable
- If VEHYTPE not = (51, 52, 53, 54) computer should enter z for 'officer and / or citizen should have completed this field but failed to do so.'

**Edit checks:**
**Valid values:**
aaaa = first 4 letters of make
i =inapplicable
z = Officer and / or citizen should have completed this field but failed to do so

**V111: SERIES1: Series of vehicle (e.g., taur for Taurus, coro for corolla, etc.)**

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** 4 column alphanumeric (aaaa)
**Data entry screen prior to entry:** _ _ _ _
**How entered:** aaaa: first 4 letters of what the officer or citizen shows as the series of the vehicle: coro for corolla, taur for taurus, gran for grand prix, etc.
**Typical examples:** see "how entered"
**Stored in database as:** aaaa
**Defaults / missing values:** If left blank on all reports, coder should tab over field and computer should:

- If VEHTYPE = (51, 52, 53,54), computer should enter i, for inapplicable
- If VEHYTPE not = (51, 52, 53, 54) computer should enter z for 'officer and / or citizen should have completed this field but failed to do so.'

**Edit checks:**
**Valid values:**
aaaa = first 4 letters of series
i =inapplicable
z = Officer and / or citizen should have completed this field but failed to do so

**V112: VEHYEAR1: Model year of vehicle**

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** 4 column numeric: nnnn
**Data entry screen prior to entry:** _ _ _ _
**How entered:** nnnn

**Typical examples:** 1999, 2000, 2001 etc
**Stored in database as:** nnnn
**Defaults / missing values:** If left blank on all reports, coder should tab over field and computer should:

- If VEHTYPE = (51, 52, 53,54), computer should enter i, for inapplicable
- If VEHYTPE not = (51, 52, 53, 54) computer should enter z for 'officer and / or citizen should have completed this field but failed to do so.'

**Edit checks:**
**Valid values:**
nnnn = year of vehicle
98 =inapplicable
00 = Officer and / or citizen should have completed this field but failed to do so

**V113: COLOR1: Predominant (first-listed) color of vehicle as entered on crash report**
**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** 3 column alphanumeric: aaa
**Data entry screen prior to entry:** _ _ _
**How entered:** first 3 letters of color entered on report: e.g.: yel for yellow, bla for black, blu for blue, and so on.
**Typical examples:** see above
**Stored in database as:** aaa
**Defaults / missing values:** If left blank on all reports, coder should tab over field and computer should:

- If VEHTYPE = (51, 52, 53,54), computer should enter i, for inapplicable
- If VEHYTPE not = (51, 52, 53, 54) computer should enter z for 'officer and / or citizen should have completed this field but failed to do so.'

**Edit checks:**
**Valid values:**
aaa = first 3 letters of color
i =inapplicable
z = Officer and / or citizen should have completed this field but failed to do so

**V114: PLATENO: Vehicle license plate number**
**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** no
**Format:** 10 column alphanumeric: aaaaaaaaaa (Currently, only 8 columns are permitted)
**Data entry screen prior to entry:** _ _ _ _ _ _ _ _ _ _
**How entered:**
**Typical examples:** abc123
**Stored in database as:** a to aaaaaaaaaa
**Defaults / missing values:** If left blank on all reports:

- If STATEREG not = MN, coder should enter 'o' (the letter o) for out-of-state plates
- If officer showed that license plate number was unknown, coder should enter X
- If vehicle was a Minnesota vehicle, but not required to have license plates, coder should enter 'p' for publicly-owned vehicle
- If coder leaves field blank, computer should.
  - If STATEREG not = (MN, I, Z) computer should enter o.
  - If VEHTYPE = (51, 52, 53,54), computer should enter i, for inapplicable
  - If VEHYTPE not = (51, 52, 53, 54) computer should enter z for 'officer and / or citizen should have completed this field but failed to do so.'

**Edit checks:**
**Valid values:**
aaaaaaaa = license plate number
o = out of state plates
p = publicly owned vehicle not required to have plates
i =inapplicable
x = officer and / or citizen showed that license plate number was unknown.
z = Officer and / or citizen should have completed this field but failed to do so

**V115: STATEREG: State or Canadian province or country of registration (shown on license plate) of the vehicle**

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
STATEREG is not currently stored in the sanitized version of the ARDB, but it should be.
**Format:** 2 column alphanumeric: aa
**Data entry screen prior to entry:** _ _
**How entered:** aa
**Typical examples:** MN, WI
**Stored in database as:** aa
**Defaults / missing values:** If left blank on all reports, coder may try and determine proper value, and enter that, or coder may tab over field, in which case computer should:
- If PLATENO = (p,i,x,z) or VEHTYPE = (51, 52, 53,54), computer should enter i, for inapplicable
- If PLATENO not = (p,i,x,z) and VEHYTPE not = (51, 52, 53, 54) computer should enter z for 'officer and / or citizen should have completed this field but failed to do so.'

**Edit checks:**
**Valid values:**
See P109 for codes for all 50 states, Canadian provinces, and so on.
i =inapplicable
z = Officer and / or citizen should have completed this field but failed to do so

**V116: YEARREG: Year (shown on license plate) for which the vehicle is registered**
**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
YEARREG is not currently stored in the *sanitized* version of the ARDB, but there would be interest in knowing how many vehicles in crashes have current registrations versus how many do not, and so the field should be added to the sanitized version of the database.
**Format:** currently stored in original database as 2 column character
But , use 4 column numeric in new system.
**Data entry screen prior to entry:** _ _ _ _
**How entered:** nnnn
**Typical examples:** 2001
**Stored in database as:** nnnn
**Defaults / missing values:** If left blank on all reports, coder should tab over field and computer should:
- If PLATENO = (p,i,x,z) or (VEHTYPE = (51, 52, 53,54), computer should enter i, for inapplicable
- If PLATENO not = (p,i,x,z) and VEHYTPE not = (51, 52, 53, 54) computer should enter z for 'officer and / or citizen should have completed this field but failed to do so.'

**Edit checks:**
**Valid values:**
nnnn = year of registration
i = inapplicable
z = Officer and / or citizen should have completed this field but failed to do so

**V117: EVENT1: First event in sequence of up to 4 events that occurred to this vehicle in this crash**
**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If officer leaves report blank, then coder should tab over field, and computer should enter 00 into field to signify "left blank."
**Edit checks:**
**Valid values:**
**Collision with**
01 = Motor vehicle in transport
02 = Parked motor vehicle
03 = Roadway equipment--snowplow
04 = Roadway equipment--other
05 = Train

06 = Pedalcycle
07 = Pedestrian
08 = Deer
09 = Other animal
10 = Underride--rear
11 = Underride--side
12 = Other non-fixed object
13 = Other collision type*
14 = Unknown collision type

**Collision with Fixed Object**

21 = Construction equipment
22 = Traffic Signal
23 = RR crossing device
24 = Light pole
25 = Utility pole
26 = Sign structure or post
27 = Mailboxes and/or posts
28 = Other poles
29 = Hydrant
30 = Tree/shrubbery
31 = Bridge piers
32 = Median safety barrier
33 = Crash cushion
34 = Guardrail
35 = Fence (non-median barrier)
36 = Culvert / headwall
37 = Embankment / ditch / curb
38 = Building / wall
39 = Rock outcrops
40 = Parking meter
41 = Other fixed object*
42 = Unknown fixed object

**Non-Collision**

51 = Overturn / rollover
52 = Submersion
53 = Fire / explosion
54 = Jackknife
55 = Loss/spillage non-haz mat
56 = Loss/spillage hazardous mat
57 = Ran off road--right
58 = Ran off road--left
59 = Equip Fail (tire, brake, etc.)
60 = Separation of units
61 = Downhill runaway
62 = Cross median / centerline
63 = Cargo / equipment shift
64 = Non-collision of other type*
65 = Non-collision of unknown type

**Residual Categories**

90 = Event of other type
98 = Not applicable
99 = Event of unknown type
00 = Officer should have completed this field, but failed to do so

**V118: EVENT2: Second event in sequence of up to 4 events that occurred to this vehicle in this crash**

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02
**Stored in database as:** nn (with leading zero)

**Defaults / missing values:** If officer leaves report blank, then coder should tab over field, and computer should enter 00 into field to signify "left blank."
**Edit checks:**
**Valid values:** See Event1 above

**V119: EVENT3: Third event in sequence of up to 4 events that occurred to this vehicle in this crash**
**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If officer leaves report blank, then coder should tab over field, and computer should enter 00 into field to signify "left blank."
**Edit checks:**
**Valid values:** See event1 above

**V120: EVENT4: Fourth event in sequence of up to 4 events that occurred to this vehicle in this crash**
**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If officer leaves report blank, then coder should tab over field, and computer should enter 00 into field to signify "left blank."
**Edit checks:**
**Valid values:** See event 1 above

**V121: MOSTHARM: Which of the events (event1,2,3,4) caused the greatest harm to this vehicle (not necessarily the greatest harm in the crash)**
This is a new field; it is not on the current (pre-1-1-03) form or in the current database.
**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If officer leaves report blank, then coder should tab over field, and computer should enter 00 into field to signify "left blank."
**Edit checks:**
**Valid values:** Use list for Event1

**V122: INSURANC: Name of insurance company providing insurance for this vehicle**
This field is on both the police and citizen report forms, but is not entered in the database.
**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** no **In sanitized database:** no
**Format:** ? 20 column alphanumeric:
**Data entry screen prior to entry:** _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
**How entered:** a to aaaaaaaaaaaaaaaaaaa
**Typical examples:** State Farm
**Stored in database as:**
**Defaults / missing values:**
**Edit checks:**
**Valid values:**

**V123: INSPOLNO: Insurance policy number for the policy covering this vehicle**
This field is on both the police and citizen report forms, but is not entered in the database.
**Source: Police accident report:** yes **Citizen accident report:** yes

**In original database:** **In sanitized database:**
**Format:** ? 20 column alphanumeric?
**Data entry screen prior to entry:** _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
**How entered:** a to aaaaaaaaaaaaaaaaaa
**Typical examples:** 123456
**Stored in database as:**
**Defaults / missing values:**
**Edit checks:**
**Valid values:**

**V124: CFCT1: First (and primary) factor associated with this 'unit' (motor vehicle or non-motorist) that contributed to the accident**

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02, ...
**Stored in database as:**
**Defaults / missing values:** If officer leaves field blank, coder should tab over field, and computer should enter 00 for "officer left blank."
**Edit checks:**
**Valid values:**

01 = No clear contributing factor
02 = Fail to yield right of way
03 = Illegal or unsafe speed
04 = Following too closely
05 = Disregard of traffic control device
06 = Driving left of center, not passing
07 = Improper passing/overtaking
08 = Improper/unsafe lane use
09 = Improper parking/starting/ stopping
10 = Improper turn
11 = Unsafe backing
12 = Improper or no signal
13 = Over-correcting
14 = Impeding traffic
15 = Driver inattention/distraction
16 = Driver inexperience
17 = Non-motorist violation/error
18= Chemical impairment
19 = Failure to use lights
20 = Driver on phone/CB/2-way radio
21 = Other human contributing factor
31 = Vision obscured-windshield
32 = Vision obscurd-sun/lheadlites
33 = Other vision factor
41 = Defective brakes
42 = Defective tire / tire failure
43 = Defective lights
44 = Inadequate windshield glass
45 = Oversize/overweight vehicle
46 = Skidding
50 = Other vehicle defect/factor
61 = Weather
90 = Other contributing factor
99 = Officer reported that CFCT1 was unknown
00 = Officer left field blank

**V125: CFCT2: Second (and secondary) factor associated with this 'unit' (motor vehicle or non-motorist) that contributed to the accident**

**Source: Police accident report:** yes **Citizen accident report:** no

**In original database:** yes **In sanitized database:** yes
**Format:** 2-column numeric: nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If officer leaves field blank, coder should tab over field and computer should enter 00 to signify "officer left field blank."
**Edit checks:** If CFCT1 = 01, CFCT2 may only = (00 or 01)
**Valid values:** See CFCT1

**V126: ACTION: Maneuver (or action) of this vehicle prior to the crash**
**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If field is left blank on all reports received, coder should tab over field and computer should enter 00 in the field, to signify: "left blank on both citizen and officer reports."
**Edit checks:**
- If VEHTYPE not = (51, 52, 53, 54), ACTION must = (1--23, 90, 99, 00)
- If VEHTYPE = 53 ACTION must = (51--57, 90, 99, 00)
- If VEHTYPE = (51, 52, 54) ACTION must = (31--48, 90, 99, 00)

**Valid values:**

**Prior actions of vehicles:**
01 = Going straight, following roadway
02 = Going wrong way into opposing traffic
03 = Right turn on red
04 = Left turn on red
05 = Making right turn
06 = Making left turn
07 = Making U-turn
08 = Starting from parked
09 = Starting in traffic
10 = Slowing in traffic
11 = Stopped in traffic
12 = Entering parked position
13 = Avoiding unit or object in road
14 = Changing lanes
15 = Overtaking / passing
16 = Merging
17 = Backing
18 = Stalled in roadway

**Parked Vehicles**
21 = Parked legally
22 = Parked illegally
23 = Vehicle stopped off roadway

**Prior actions of pedestrians**
31 = Crossing with signal
32 = Crossing against signal
33 = Darting into traffic
34 = Other improper crossing
35 = Crossing in a marked crosswalk
36 = Crossing properly (but no signal or marked crosswalk)
37 = Failure to yield right of way to traffic
38 =Inattention / distraction
39 = Walking/running in road with traffic
40 = Walking/running in road against traffic
41 = Standing / lying in road

42 = Emerging from behind parked vehicle
43 = Child getting on/off school bus
44 = Person getting on/off vehicle
45 = Pushing/working on vehicle
46 = Working in roadway
47 = Playing in roadway
48 = Not in roadway

**Prior actions of bicyclists**

51 = Riding with traffic
52 = Riding against traffic
53 = Making right turn
54 = Making left turn
55 = Making U-turn
56 = Riding across road
57 = Slowing/stopping/starting

**Residual categories**

90 = Other prior action
99 = Officer and /or citizen reported that prior action was unknown
00 = Officer and / or citizen should have completed this field, but failed to do so

**V127: TOTOCC1: Number of occupants in or on this motor vehicle**

A car might have 3 people in it. A motorcycle might have 2 people on it. A pickup truck might have 2 people in it, two people in the pickup truck bed, and 1 person on the roof. In the last example, TOTOCC1 would be 5.

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02 ,...
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If officer and citizen reports leave field blank, then coder should tab over field and computer should:

- If VEHTYPE = (51, 52, 53,54), computer should enter 98, for inapplicable
- If VEHYTPE not = (51, 52, 53, 54) computer should enter 00 for 'officer and / or citizen should have completed this field but failed to do so.'

**Edit checks:** If VEHTYPE = (51 52 53 54) then OCCUPS must = 98 (not applicable)
**Valid values:**

01 - 97 = number of occupants
98 = not applicable (the "unit" was not a motor vehicle)
99 = officer and / or citizen both reported that TOTOCC1 was unknown
00 = Officer and / or citizen should have completed this field but failed to do so.

**V128: VEHTYPE: Type of motor vehicle or type of non-motorist**

**NOTE:** This is a super-required, or systemic, field. (A value of 99, for 'unknown,' is permitted, but a value of 00, for 'left blank,' is not permitted.)

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02..
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:**
**Edit checks:** This field should be consistent with VEHUSE. If VEHUSE not = (98, 00) then VEHTYPE must = (1--38, 90, 99).
**Valid values:**

01 = Passenger car
02 = Pickup
03 = Sport Utility Vehicle
04 = Van or minivan
05 = Motorhome / camper / RV

06 = Limousine
07 = Bus (7-15 seats including driver)
08 = Bus (16+ seats, including driver)
09 = Snowmobile
10 = ATV
11 = Motorcycle
12 = Motorscooter / motorbike
13 = Moped or motorized bicycle
14 = Farm equipment
31 = 2axle,6-tire single unit truck/stepvan
32 = 3 or more axle single-unit truck
33 = Single unit truck with trailer
34 = Truck tractor with no trailer
35 = Truck tractor with semi trailer
36 = Truck tractor with double trailers
37 = Truck tractor with triple trailers
38 = Heavy truck of unknown type
51 = Pedestrian
52 = Skater
53 = Bicyclist
54 = Other non-motorist (e.g., wheelchair)
90 = Other motor vehicle type
99 = Officer and /or citizen reported that VEHTYPE was unknown

**V129: VEHUSE: Type of use to which this vehicle was put at time when the accident occurred**

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** no
**Format:** 2 column numeric: nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01,02, ...
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If officer leaves field blank, coder should tab over field, and computer should:

- If VEHYTPE = (51, 52, 53, 54) computer should enter 98 for not applicable.
- If VEHTYPE = (1-38, 90, 99), computer should enter 00 for 'left blank.'

**Edit checks:** If VEHTYPE = (51 52 53 54) then VEHUSE must = 98
**Valid values:**

01 = Normal
02 = Taxicab
03 = School bus
04 = Non school bus
05 = Military vehicle
06 = Hit and run vehicle
07 = Police dept vehicle--lights/siren not operating
08 = Police dept vehicle--lights/siren operating
09 = Fire dept vehicle--lights/siren not operating
10 = Fire dept vehicle--lights/siren operating
11 = Ambulance--lights/siren not operating
12 = Ambulance--lights/siren operating
13 = Snowplow, working
14 = Snowplow, in transport
15 = Other maintenance vehicle--working
16 = Other maintenance vehicle--in transport
17 = Other publicly owned vehicle
90 = Other vehicle use
98 = Not applicable
99 = Officer and /or citizen reported that VEHUSE was unknown
00 = Officer and / or citizen should have completed this field, but failed to do so

**V130: DAMLOC: Locations in which this vehicle sustained damage in the crash**

**Source: Police accident report:** yes **Citizen accident report:** yes

**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02, ..
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If officer and citizen leave field blank, then coder should tab over field and computer should:

- If VEHTYPE = (51 52 53 54), computer should enter 98 in field.
- If VEHTYPE = (01--38, 90, 99), computer should enter 00 in field to signify that field was left blank on all reports.

**Edit checks:** If VEHTYPE = (51 52 53 54) then DAMLOC must = 98 (not applicable).
If DAMSEV=01 (none) then DAMLOC must = 98 (not applicable).
**Valid values:**
01 = Front
02 = Right front
03 = Right center
04 = Right rear
05 = Rear
06 = Left rear
07 = Left center
08 = Left front
09 = Top
10 = Bottom--undercarriage
11 = Multiple areas
90 = Other
98 = Not applicable (note that this "not applicable" has 2 possible meaning:

1. If VEHYTPE = (51 52 53 54), then "not applicable" means "not applicable because the unit was not a motor vehicle. It was a non-motorist."
2. If VEHTYPE = (1 -- 38 or 90 or 99) then "not applicable" means "not applicable because there was no damage to this vehicle."

99=Officer and /or citizen reported that DAMLOC was unknown
00=Officer and / or citizen should have completed this field, but failed to do so.

**V131: DAMSEV: Severity of damage to this vehicle**
**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02, ..
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If officer leaves field blank, coder should tab over field and computer should:

- If VEHTYPE in (51 52 53 54 ) then DAMSEV must = 98 (not applicable)
- if VEHTYPE in (1 -- 38, 90, 99) then DAMSEV must = 00 (officer left field blank)

**Edit checks:** See defaults...
**Valid values:**
01 = None
02 = Light
03 = Moderate
04 = Severe
05 = Total
90 = Other
98 = Not applicable (the "unit" was a non-motorist)
99 = Unknown
00 = Officer should have completed this field but failed to do so

**V132: CARGOBDY: Cargo body type**
This field only filled out if VEHTYPE in (31 through 38)
**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes

**Format:** 2 column numeric
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02...
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If officer leaves field blank, coder should tab over fields and computer should:

- If VEHTYPE not = (31 through 38, 90 99) then computer should enter 98.
- VEHTYPE = (31 through 38) then computer should enter 00

**Edit checks:**
**Valid values:**

01 = Van / enclosed box
02 = Dry bulk cargo tank
03 = Liquid bulk cargo tank
04 = Gas bulk cargo tank
05 = Flatbed or platform
06 = Dump
07 = Concrete mixer
08 = Auto transporter
09 = Garbage/refuse
10 = Combination
11 = Special permit load
12 = Grain/chips/gravel
13 = Pole
90 = Other*
98 = Not applicable (the vehicle did not have a VEHTYPE = 31--38)
99 = Officer reported that CARGOBDY was unknown
00 = Officer should have completed this field but failed to do so

**V133: HAZPLAC: Did this vehicle have any hazardous-materials placards displayed?**

This field only filled out if VEHTYPE = (31--38)

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric: a
**Data entry screen prior to entry:** _
**How entered:** y, n, i, or x
**Typical examples:** y, n, i, or x
**Stored in database as:** y, n, i, x, or z
**Defaults / missing values:** If officer leaves field blank, coder should tab over field and computer should:

- If vehtype not in (31 -- 38) computer should enter i for inapplicable
- If vehtype in (31--38), computer should enter z for 'officer left this field blank.'

**Edit checks:**
**Valid values:**

y = yes
n = no
i = inapplicable
x = Officer entered that it was unknown if the vehicle displayed a hazmat placard
z = Officer should have filled in the field but failed to do so.

**V134: WAIVED: Did the State Patrol waive the commercial vehicle inspection for this vehicle?**

This field only filled out if VEHTYPE=(31 -- 38)

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric: a
**Data entry screen prior to entry:** _
**How entered:** y, n, i, x
**Typical examples:** y, n, i, x
**Stored in database as:** y, n, i, x, or z
**Defaults / missing values:** If officer leaves field blank, coder should tab over field and computer should:

- If VEHTYPE not = (31 -- 38) computer should enter i for inapplicable

- If VEHTYPE = (31 -- 38), computer should enter z for 'officer left this field blank.'

**Edit checks:**

**Valid values:**

y = yes
n = no
i = inapplicable
x = Officer entered that it was unknown whether the commercial vehicle inspection for this vehicle was waived
z = Officer should have completed this field but failed to do so.

**V135: INSPECTNO: What is the Commercial Vehicle Inspection Report number assigned to the inspection performed on this vehicle**

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** no
**Format:** 15 column alphanumeric: aaaaaaaaaaaaaa
See explanation under "typical example."
**Data entry screen prior to entry:** _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
**How entered:** see example:
**Typical examples:** There is a national system for enumerating commercial vehicle inspection reports. The national system uses a 12-column alphanumeric field . For Minnesota, a report will follow this format:
MNnnaannnnnn, where: MN = stands for Minnesota.
nn = 2 numeric digits
aa = two alphabetic characters that stand for the inspector. For example, Wes Pemble is HX.
nnnnnn = 6 numeric digits to show the particular report done by the particular inspector. For example: 000045 was the 45th commercial vehicle inspection report completed by Commercial Vehicle Inspector Wes Pemble.
Although the national system uses a 12-column field, the commercial vehicle inspection office of the state patrol (specifically, Wes Pemble) has asked for a 15 column field, and this seems desirable.
**Stored in database as:** aaaaaaaaaaaaa (15 cols)
**Defaults / missing values:** If officer leaves field blank, coder should tab over field and computer should:
- If VEHTYPE not = (31-- 38) computer should enter I for inapplicable
- If VEHTYPE = (31 -- 38) and WAIVED = Y computer should enter I for inapplicable.
- If VEHTYPE in (31 -- 38) and WAIVED = ('N' 'X' 'Z'), computer should enter Z for 'officer failed to complete this field'

**Edit checks:** First two characters of field should be MN
**Valid values:**
a to aaaaaa... = the inspection report number
i = inapplicable
x = officer entered that inspection report number was not known
z = officer should have completed this field but failed to do so.

**V136: BADGENO: Commercial Vehicle Inspector badge number**

If Officer Jones fills out the accident report, and the accident involved a truck (VEHTYPE = 31--38), Officer Jones is supposed to call the State Patrol, which will decide if a commercial vehicle inspection is required.

If yes, then a CVI (commercial vehicle inspector) will do the CMV inspection. Thus, maybe CVI Officer Smith does the inspection. It is Smith's badge number (not Jones's) that goes into this field.

In other words, Officer Jones fills out the crash report, but will enter Officer Smith's badge number in this field.

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 8 column alphanumeric: CVIaaaaa
Apparently all commercial vehicle inspections are performed by "Commercial Vehicle Inspectors," whose badge numbers are preceded by CVI.

State Patrol CVIs use 16 and 17 as the first two digits. For example Wes Pemble is CVI16006. (CVI Pemble's badge number, CVI16006, should not be confused with HX, which stands for CVI Pemble in the INSPECTNO field.)
MNDOT CVIs apparently start with a 6; for example, CVI06008.
Other systems could be in place.

**Data entry screen prior to entry:** _ _ _ _ _ _ _ _

**How entered:** Officer Smith might merely show '6' for CVI Pemble. However, 1606, or 16006, of CVI16006 would all be equivalent.

**Typical examples:** 1606

**Stored in database as:** a to aaaaaaaaa

**Defaults / missing values:**

- When only a number is shown, it should be assumed that CVI precedes the number, and the computer should store the value as, for example: CVI16006
- If the officer leaves field blank, then the operator shall tab over the field, and the computer should:
  a. If VEHTYPE not = (31--38) computer should enter I for inapplicable.
  b. If VEHTYPE = (31--38) and WAIVED=Y computer should enter I for inapplicable.
  c. If VEHTYPE = (31--38) and WAIVED =(n, x, z) computer should enter Z for 'officer failed to complete this field.

**Edit checks:** Entry must contain at least 3 alphanumeric characters

**Valid values:**

CVInnnnn = the badge number
i = inapplicable
x = officer indicated that the badge number was not known
z = officer should have completed this field but failed to do so.

**V137: MCNAME: Motor Carrier Name**

A " motor carrier" is not a vehicle. A motor carrier is a company (or legal entity) that directs and controls the operation of one or more commercial vehicles. Here are some motor carriers: Greyhound Bus Company, United Parcel Service, Marshal Field's, John Smith's Trucking Company, Acme Tree Service, Rothschild's Sewage and Septic Sucking Services, LLC., Dart Transit, Inc., RUAN, J.B. Hunt.

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** no
**Format:** 25 column alphanumeric?
**Data entry screen prior to entry:** _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
**How entered:** as shown on crash report
**Typical examples:** Ruan
**Stored in database as:** as entered
**Defaults / missing values:** If officer leaves field blank, coder should tab over field and computer should:

1. If VEHTYPE not = (31--38) computer should enter I for inapplicable.
2. If VEHTYPE = (31 to 38) computer should enter Z for 'officer failed to complete this field.'

**Edit checks:**

**Valid values:**

aaa..... = name of Motor Carrier company
i = inapplicable
x = Officer indicated that motor carrier company was no known
z = officer should have completed this field but failed to do so.

**V138: MCIDNO: Motor carrier identification number.**

There are two types of motor carrier:

(1) interstate carriers operate in more than one state, and have an identification number assigned by the federal DOT.
(2) Intrastate carriers operate only within a given state and may have an ID number assigned to them.

Starting 8-1-02, the Minnesota Department of Public Safety, Driver and Vehicle Services division, will assign motor carrier ID numbers to intrastate carriers. These assigned numbers are allocated by the federal DOT. That is, the numbers are designed by the US

DOT, and help the USDOT to track motor carriers, but the actual assigning of the number to a carrier will be performed by DPS / DVS.

Thus, for the crash report from going into existence on 1-1-03, every commercial vehicle should have a motor carrier name, and, as numbers are gradually assigned to the motor carriers, every commercial vehicle will come to have a Motor Carrier ID number.

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** no
**Format:** 8 column alphanumeric.

Currently, US DOT numbers have 6 digits (with no commas or decimal places), and the US DOT has assigned motor carriers numbers into the 900 thousands. Thus, soon a seventh digit will be required.

Further Minnesota is first state to start assigning numbers to intrastate carriers

Seems desirable to allocate 8 alphanumeric columns.

**Data entry screen prior to entry:** _ _ _ _ _ _ _ _
**How entered:** as shown on report
**Typical examples:** 563721
**Stored in database as:** precisely as entered
**Defaults / missing values:** If officer leaves field blank, coder should tab over field and computer should:

- If VEHTYPE not = (31 to 38) computer should enter I for inapplicable.
- If VEHTYPE = (31 to 38) computer should enter Z for 'officer failed to complete this field.'

**Edit checks:**
**Valid values:**

aaaaaaaa = motor carrier ID number
i = inapplicable
n = none (officer reported that this commercial vehicle did not have a motor carrier number)
x = officer indicated that motor carrier ID number was not known.
z = officer should have complete this field, but failed to do so.

**Part V2: Fields to be entered into the database -- but that are derived by the system from other fields.**

**V201: CAUSAL: Was this vehicle(or non-motorist) the causal vehicle (or non-motorist) in the crash.**

Minnesota is a "no-fault" insurance state. Perhaps partly due to this, or to other reasons, officers resist identifying one vehicle or non-motorist as the causal agent in a crash.

Still, knowing who essentially caused the crash will be extremely helpful in reporting more meaningful statistics.

This field, named 'causal,' tries to resolve the problem. "Causal" is not a good word because it is impossible to have perfect knowledge about the cause of a crash. Thus the word "causal" is merely used for convenience at this point.

**Source: Police accident report:** yes **Citizen accident report:** no

Define that a unit is: a vehicle in transport, or a non-motorist (such as a pedestrian or bicyclist, or horse drawn cart) that came into contact with a vehicle in transport.

1. If there is one unit in the crash, then CAUSAL = 1 (the number 1).

2. If there are two units in a crash, then

   a) If this unit has CFCT1 = (02 -- 90) or has CFCT2 = (02 -- 90) and other unit has CFCT1 = (01, 99, 00) then CAUSAL = Y.
   b) If this unit has CFCT1 = (01, 99, 00) and other unit has CFCT1 = (02 -- 90) or has CFCT2 = (02--90) then CAUSAL = N.
   c) If this unit has CFCT1 = (02 -- 90) or has CFCT2 = (02 -- 90) and other unit has CFCT1 = (02 -- 90) or has CFCT2 = (02 -- 90), then CAUSAL = S (S for share, meaning that this unit shares causal responsibility for crash with other unit).
   d) If this unit has CFCT1 = (01, 99, 00) and has CFCT2 = (01, 99, 00) and other unit has CFCT1 = (01, 99, 00) and has CFCT2 = (01, 99, 00), then CAUSAL = X (X for unknown, meaning that neither unit had contributing factors associated with it, and so causality cannot be inferred to this vehicle.

3. If there are 3 units or 4 units in the crash, the logic in (2) above should be expanded out for the three or four units, as follows:

   a) If this unit has any contributing factors associated with it and all other units have no contributing factors associated with them, then CAUSAL = Y.
   b) If this unit has no contributing factors associated with it, and any other units have any contributing factors associated with them, then CAUSAL = N.
   c) If this unit has any contributing factors associated with it, and one or more other units have any contributing factors associated with them, then CAUSAL = S (S for share, as explained in 2.c. above.
   d) If this unit has no contributing factors associated with it, and no other unit has any contributing factors associated with it, then CAUSAL = X (X for unknown, as explained in 2.d. above).

4. If there are 5 or more units in the crash, then CAUSAL = 5 (for five or more units in crash, and we won't try to determine which vehicle is the causal vehicle.)

**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric: a
**Valid values:**

1 = Single vehicle crash
Y = Yes. This was a multi-vehicle crash (ie, there were 2 or more units), and this unit (vehicle or non-motorist) had causal responsibility for the crash, and the other unit did not.
N = No. This was a multi-vehicle crash (2 or more units), and this unit (vehicle or non-motorist) did not have causal responsibility for the crash but one or more of the other units did.

S = This unit shares causal responsibility for the crash with one or more other units involved in the crash.
X = This was a multi-vehicle crash. It is not not known which vehicle or non-motorist in this crash had causal responsibility for this crash.
5 = This crash involved 5 or more units.

**V202: TOTOCC2: Total occupants in or on this vehicle (computer derived)**

Field TOTOCC1 (V127) is from the officer or citizen reports, and shows how many people were in or on this vehicle.
This field TOTOCC2 is derived from the computer. The computer should count the number of persons records associated with this vehicle and enter that sum in this field.

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn (with leading zero)
**Stored in database as:** nn (with leading zero)
**Valid values:**
00 to 99 = number of occupants (It is possible for a vehicle to have zero occupants)

**V203: INTRANS: Was this vehicle in transport**

This field serves to identify whether a vehicle is or is not in transport.
The field NUMVEH (A204) is a count of motorized vehicles in transport. That field should be constructed by counting up the number of vehicle records that have INTRANS = Y.
Some vehicles are parked (ACTION = 21,22,23) and therefore are not in transport.
Sometimes a vehicle (e.g., a snowplow) is working on the roadway (VEHUSE = 13, 15), and therefore is not in transport.

**Source: Police accident report:** yes **Citizen accident report:** no

- If VEHTYPE not = (51,52,53,54) and VEHUSE not = (13 15) and ACTION not = (21 22 23) then INTRANS = Y.
- If VEHTYPE not = (51,52,53,54) and VEHUSE = (13,15) then INTRANS = N.
- If VEHTYPE not = (51,52,53,54) and ACTION = (21,22,23) then INTRANS = N.
- If VEHTYPE = (51,52,53,54) then INTRANS = I.

**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric: a
**Valid values:**
Y = Yes, motor vehicle in transport
N = This was a motor vehicle, but it was not transport
I = Inapplicable (this unit was not a motor vehicle)

**PART V3: V301 through V307: Fields obtained through linking the ARDB with the Motor Vehicle Registration system.**

See the "general note" preceding V110 for some comments about the fields V301 through V307.

**V301: VIN: Vehicle Identification Number**

Every vehicle has a 17 alphanumeric vehicle identification code stamped onto it at manufacture. The VIN code has substrings that give information about the vehicle: the make, the year, the series, the style, and so on.

**In original database:** yes **In sanitized database:** no
**Format:** 17 column alphanumeric
**Typical examples:** 1NXAE09E7PZ102723
**Stored in database as:** 17 column alphanumeric
**Valid values:**

**V302: MAKE2: Vehicle make (e.g.: Toyota)**

**In original database:** yes **In sanitized database:** yes
**Format:** 4 column alphanumeric
**Typical examples:** FORD (for Ford)
**Stored in database as:** 4 column alphanumeric
**Valid values:** Contained in the R.L. Polk guide to the VIN system

**V303: SERIES2: Vehicle series (e.g. Corolla)**

**In original database:** yes **In sanitized database:** yes
**Format:** 3 column alphanumeric
**Typical examples:** UCD (for Corolla)
**Stored in database as:** 3 column alphanumeric
**Valid values:**

Note that series codes are frequently not interpretable on their face. It is necessary to use the R. L. Polk Co. guide to VIN numbers to know what the series codes stand for.

**V304: STYLE: Body style of vehicle (4-door, ambulance, convertible, etc.)**

Note that this field is not in the current database. However, it is of intrinsic interest, and is therefore of value to add to both the original and the sanitized ARDB.

**In original database:** yes **In sanitized database:** yes
**Format:** 2 column alphanumeric
**Typical examples:** 2D for two-door sedan, 4D for 4-door sedan, CV for convertible, AM for ambulance, and so on.
**Stored in database as:** 2 column alphanumeric
**Valid values:** (Must use R.L. Polk guide)

AM = Ambulance
AR = Armored truck
CP = coupe
CV = Convertible
HB = Hatchback
TL = Tilt tandem
etc.

**V305: YEAR2: Vehicle year**

**In original database:** yes **In sanitized database:** yes
**Format:** 4 column numeric
**Typical examples:** 1999, 2002, etc.
**Stored in database as:** 4 column alphanumeric
**Valid values:**

1900 and later.

**V306: COLOR2A: Vehicle first color**

Note that DVS gives low priority to collecting color information in the MV Reg file, and therefore this field is frequently left empty

**In original database:** yes **In sanitized database:** yes

**Format:** 1 column alphanumeric
**Typical examples:** See valid values list.
**Stored in database as:** 1 column alphanumeric
**Valid values:**

a=red
b=blue
c=grey
d=black
e=brown
f=white
g=green
h=tan
i=ivory
j=pink
k=yellow
l=maroon
m=lavender
n=gold
o=orange
p=silver

**V307: COLOR2B: Vehicle second color**

Note that DVS gives low priority to collecting color information in the MV Reg file, and therefore this field is frequently left empty

**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric
**Typical examples:** see valid values list.
**Stored in database as:** 1 column alphanumeric
**Valid values:** (see COLOR2A)

**PART P: PERSON-LEVEL FIELDS.**

| V1: FROM THE REPORTS | | V2: DERIVED FROM OTHER FIELDS | | V3: OBTAINED THROUGH LINK TO OTHER DATABASES | |
|---|---|---|---|---|---|
| | | | | | |
| P101 | Accn | | | | |
| P102 | Rvn | | | | |
| P103 | Rpn | | | | |
| P104 | Dlno1 | | | P301 | Dlno2 |
| P105 | Name | | | | |
| P106 | address | | | | |
| P107 | City | | | | |
| P108 | Positn | P201 | Ptype | | |
| P109 | Dlstate | | | | |
| P110 | Dlclass1 | | | P302 | Dlclass2 |
| P111 | Dlstat1 | | | P303 | Dlstat2 |
| P112 | Dob | | | P304 | Dclounty |
| P113 | Age | P202 | Ageb | | |
| P114 | Viols | P203 | Agec | P305 | Restrict2a |
| P115 | Restrict1 | | | P306 | Restrict2b |
| P116 | Physcnd | | | P307 | Restrict2c |
| P117 | Recomnd | | | | |
| P118 | Addcor | | | P308 | Endorset |
| P119 | Sex | | | P309 | Endorsen |
| P120 | Eqptype | | | P310 | Endorseh |
| P121 | Eqpuse | | | P311 | Endorsex |
| P122 | Airbag | | | P312 | Endorses |
| P123 | Eject | | | P313 | Endorsep |
| P124 | Injsev | P204 | Injsevb | P314 | Endorsem |
| P125 | Alctest | | | | |
| P126 | Alctype | | | P315 | Alcresult |
| P127 | Drugtest | | | | |
| P128 | Drugtype | | | P316 | Drugreslt |
| P129 | Tohosp | | | | |
| P130 | Methhosp | | | | |
| P131 | Ambserv | | | P317 | Dlerror |
| P132 | runnum | | | P318 | Percomp |
| P133 | Fatalno | | | | |
| P134 | Corrept | | | | |
| P135 | Lastname | | | | |
| P136 | Firstmid | | | | |
| P137 | Fatdate | | | | |
| P138 | Fatbac | | | | |
| | | | | | |
| | | | | | |

**PART P1: Fields that exist at the "person" level and that are filled out on the crash report form itself -- either the paper version of the form, or the electronic (web-based) version of the form.**

Note that the fields at the person level are more complex in some ways. A person might be a driver of a vehicle, a passenger, a pedestrian, a bicyclist. Different fields are filled out based on the person type. Also if the person died, there are some extra procedures.

**P101: ACCN: Accident number**

The ACCN field is carried over from the ACCIDENT and VEHICLE files and should be entered onto each person record. The ACCN field is the key linking variables among the three (acc, veh, and per) files.

**Source:** See the description under A105

**In original database:** yes **In sanitized database:** yes

**Defaults / missing values:** Every PERSON record must have a valid ACCN value

**P102. RVN: Relative vehicle number**

See description under V102.

**Source:** RVN is carried over from the vehicle file. Every person has to be associated with a vehicle (actually, with a vehicle or with a non-motorist, since an RVN is assigned to a pedestrian, or bicyclist, etc.).

RVN is assigned by the computer system at the point where the data entry operator begins to enter data on a vehicle in the crash.

The system assign RVN=01 for the first vehicle on which data is entered, 02 for the second vehicle, and so on.

**In original database:** yes **In sanitized database:** yes

**Format:** 2-column numeric: nn (with leading zero)

**Edit checks:** For one crash, all RVNs must be consecutive (no gaps) and mutually exclusive, and must range between 01 to 99. There cannot be RVN=00

**Valid values that the database may hold:** 01 to 99.

**P103: RPN: Relative person number**

Every person in a crash must have an ACCN, RVN, and RPN.

If a pickup truck has RVN=01, and has 2 persons inside, 2 persons in the truck bed, and 1 person riding on the hood, then RVN 01 must have RPN 01, 02, 03, 04, and 05.

If the pickup collides with a bicycle having two riders, the pickup will have RVN=01. The bicycle will be RVN=02, and the two riders will be RPN 01 and 02.

If the pickup collides with two pedestrians and they are both injured, the pickup will have RVN=01. One pedestrian will have RVN=02 and RPN=01. The other pedestrian will have RVN=03 and RPN=01.

The computer should generate the appropriate RPN when the data entry operator begins to enter data for a person. The first person associated with a particular RVN will have RPN=01.

**In original database:** yes **In sanitized database:** yes

**Format:** 2 column numeric

**Typical examples:**

**Stored in database as:** 2 column numeric

**Edit checks:** The RPN values should be consecutive within a vehicle (no gaps) and mutually exclusive. There cannot be RPN=00.

**Valid values:** 01 to 99.

**P104: DLNO1: Driver License Number**

The driver license number is important. It triggers the obtaining of information from the DL file, as well as the posting of confidential information to the DL file.

The Minnesota driver license is 13 characters: an alphabetic character followed by 12 numeric digits. The alphabetic character is the same as the first initial of the person's last name. The next 9 numeric digits are tied to the sounds of the persons first, middle and last names. The last 3 digits are tied to the date of birth.

**Source: Police accident report:** yes **Citizen accident report:** yes

DVS/AR staff enter the driver license number shown on the crash report. However, that number may have been superseded. If so, the current DL number will be brought back from the DL file and will overwrite the DLNO entered off the report. (See P301.)

**In original database:** yes **In sanitized database:** no
**Format:** 13 column alphanumeric
**Data entry screen prior to entry**: _ - _ _ _ - _ _ _ - _ _ _ - _ _ _
**How entered:** as shown on officer or citizen crash report.
**Typical examples:** R326040288628 (Alan Gregory Rodgers, dob 08-11-49)
**Stored in database as:** as entered
**Defaults / missing values:** The driver license number is only entered on drivers who have a Minnesota driver license. If officer or citizen fails to show a driver license, coder should tab over field and computer should:

- If person is not a vehicle driver (PTYPE not = 1) then computer should enter 1 (the number 1) for "Inapplicable: this person was not a driver'
- If person is a driver (PTYPE=1) and DLSTATE not = (MN, Y, I, X) then computer should enter 2 for "person was a driver but was licensed in another state, Canadian province, or country).
- If person is a driver (PTYPE=1) and DLSTATE = x, then computer should enter 3, for "this person was a driver but for unknown reasons does not have a drivers license."
- If person is a driver (PTYPE =1) and DLSTATE= MN then computer should enter 5 for 'officer or citizen failed to complete this field."

**Edit checks:**
**Valid values:**

aaaaaaaaaaaa: A to Z, followed by 12 numeric digits:
1 = Inapplicable: person was a non-motorist (person was not a driver)
2 = Person was a driver but was licensed outside Minnesota
3 = Person was a driver, but for unknown reasons, does not have a driver's license.
5 = Officer and / or citizen failed to complete this field.

**General Note regarding P105 -- P107:**

The name and address fields are on the crash report forms. Both the officer and the citizen are to fill in the name and address for a driver, a pedestrian, or a bicyclist, or other non-motorist. This information is *not* currently entered in the database. (Exception: if the person died, then 4 fields are entered: last name, first+middle name, fatality date, and alcohol test result. See fields A135 through A138.)

**P105: NAME: Name of vehicle driver, pedestrian, bicyclist, or other non-motorist**

**NOTE:** This field is filled in on the officer and citizen crash report forms, but it is not entered in the computer.
(Exception, name of any person who died is entered; see P135-P136 below.)
**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** no **In sanitized database:** no
**Format:** ? 25 column alphabetic ?
**Data entry screen prior to entry:** _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
**How entered:** not entered (unless the person died, in which case, see P135-P136)
**Typical examples:**
**Stored in database as:** not currently stored
**Defaults / missing values:**
**Edit checks:**
**Valid values:**

**P106: ADDRESS: Street address of vehicle driver, pedestrian, bicyclist, or other non-motorist**

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** no **In sanitized database:** no
**Format:** ? 25 column alphabetic ?
**Data entry screen prior to entry:** _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
**How entered:** as shown on report
**Typical examples:** 123 Smith Street, Apt. 2B
**Stored in database as:** not currently stored
**Defaults / missing values:**
**Edit checks:**
**Valid values:**

**P107: CITY: City, state, and zip code of the vehicle driver, pedestrian, bicyclist, or other non-motorist**

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** see above description **In sanitized database:** no
**Format:** ? 25 column alphabetic ?
**Data entry screen prior to entry:** _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
**How entered:** as shown on report
**Typical examples:** Minneapolis, MN 55454
**Stored in database as:** not currently stored
**Defaults / missing values:**
**Edit checks:**
**Valid values:**

**P108: POSITN: Person's position in or on the vehicle, or the position of a non-motorist on the roadway.**

**Note:** This is a super-required, or systemic, field. Every person must be assigned a valid POSITN codes -- either as motorist in some position (where "unknown" is a possible position), or as a non-motorist at some location (where "unknown" is a possible location).

**Note** that the value 19 = 'not known if person was a driver or passenger' was *not* included as a possible category on the overlay the police use to help them fill out the report. This was an oversight.

**Source: Police accident report:** yes **Citizen accident report:** yes (for drivers only)
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02, ...
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If officer and citizen leave field blank, coder should tab over field and computer should:

1. If VEHTYPE = (01 through 38, 90 99), computer should enter 19
2. If VEHTYPE = (51, 52, 53, 54), computer should enter 36

**Edit checks:**
**Valid values:**

Positions for motorists

1 = Driver (include motorcycle operators)
2 = Front center
3 = Front right
4 = Second seat left
5 = Second seat center
6 = Second seat right
7 = Third seat left
8 = Third seat center
9 = Third seat right
10 = Outside of vehicle
11 = Trailing unit
12 = Pickup truck bed
13 = Truck cab sleeper section
14 = Passenger in other position (include motorcycle passenger)
15 = Passenger in unknown position
16 = Front left (non-driver)
19 = Not known if person was a driver or a passenger

Positions (locations) for non-motorists

21 = Crosswalk, marked, at intersection
22 = Crosswalk, not marked, at intersection
23 = Crosswalk, not at intersect
24 = Crosswalk--at driveway access
25 = In roadway
26 = Not in roadway
27 = Median (but not on shoulder)
28 = Island
29 = Shoulder

30 = Sidewalk
31 = Within 10 feet of roadway (but not on median, island, shoulder or sidewalk)
32 = Beyond 10 feet of roadway (but still in trafficway)
33 = Outside trafficway
34 = Shared-use path or trails
35 = Other non-motorist location
36 = Unknown non-motorist location

**P109: DLSTATE: State (or Canadian province, or country) that issues person's driver's license.**

This field should probably be considered as a super-required field, or systemic field.

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column alphanumeric
**Data entry screen prior to entry:** _ _
**How entered:** aa
**Typical examples:** MN (for Minnesota), WI (for Wisconsin), AB (for Alberta), and so on
**Stored in database as:** as entered
**Defaults / missing values:** If not shown on any of the reports:

- If person is not a driver (PTYPE not = 1) coder should tab over field, and computer should enter i for inapplicable.
- If person is a driver (PTYPE=1) coder should try and determine correct value and enter that. If correct value cannot be determined, coder should tab over field, and computer should enter z to signify 'officer and / or citizen should have completed field, but failed to do so.'

**Edit checks:**
**Valid values:**

AL=Alabama
AK=Alaska
AR=Arkansas
AR=Arizona
CA=California
CO=Colorado
CT=Connecticut
DC=District of Columbia
DE=Delaware
FL=Florida
GA=Georgia
HI=Hawaii
ID=Idaho
IL=Illinois
IN=Indiana
IA=Iowa
KS=Kansas
KY=Kentucky
LA=Louisiana
MA=Massachusetts
MD=Maryland
ME=Maine
MI=Michigan
MN=Minnesota
MO=Missouri
MS=Mississippi
MT=Montana
OK=Oklahoma
OR=Oregon
PA=Pennsylvania
RI=Rhode Island
ND=North Dakota
NE=Nebraska
NC=North Carolina
NH=New Hampshire
NJ=New Jersey

NM=New Mexico
NV=Nevada
NY=New York
OH=Ohio
SC=South Carolina
SD=South Dakota
TN=Tennessee
TX=Texas
UT=Utah
VA=Virginia
VT=Vermont
WA=Washington
WI=Wisconsin
WV=West Virginia
WY=Wyoming

IM=Indian res. (inside Minn)
IO=Indian res (outside Minn)

AB=Alberta
BC=British Columbia
MB=Manitoba
NF=Newfoundland
NK=New Brunswick
NS=Nova Scotia
NT=Northwest Territory
ON=Ontario
PE=Prince Edward Island
PQ=Quebec
SK=Saskatchewan
YT=Yukon Territory
CN=Canada (Other)

Y=Other
I=Inapplicable
X=Officer and /or citizen reported that DLSTATE was unknown
Z=Officer and citizen left field blank.

**P110: DLCLASS1: Driver license class and endorsements**

This field applies to Minnesota-licensed drivers, not to others.

The Accident Report Instruction Manual instructs officers to show the driver license class and any endorsement in this box on the crash report.

The citizen report merely asks for the driver license "class," and so endorsements may not be shown.

In addition to this DLCLASS1 field, a similar field, DLCLASS2, is brought back from the DL file. (See P302 and P308--P314)

**Source: Police accident report:** yes **Citizen accident report:** yes (partly)
**In original database:** yes **In sanitized database:** yes
**Format:** 8 column alphanumeric
**Data entry screen prior to entry:** _ _ _ _ _ _ _ _
**How entered:** a to aaaaaaaa
**Typical examples:** D (normal driver license), DM (normal driver license class D with a motorcycle endorsement)
**Stored in database as:** as entered
**Defaults / missing values:**

If officer draws a diagonal line through the box or enters I for inapplicable, coder should enter I. If field is left blank on officer and citizen reports, coder should tab over field and computer should:

1. If DLSTATE not = MN, computer should enter 8, for inapplicable, in the database.
2. If DLSTATE = MN, computer should enter 0 (the number zero) for "officer and/or citizen should have provided this information but failed to do so."

**Edit checks:**

**Valid values:**

There are basically 4 classes: A, B, C, and D. However, DVS lists out 9 "classes" in its field named "class." All 9 classes are listed below, though the last 5 are unlikely to appear.

A valid value will (normally) be a value of A, B, C, or D, followed by any combination of the endorsement codes. It would be possible for a driver to have an "A" class driver license, and to have every single endorsement. In such a case, for example, a valid value could be: ATNHXSPM. (In reality, most drivers will have a class D license with no endorsements.)

**Classes:**

A = Commercial, highest level, valid for any vehicle or combination
B = Commercial, valid for any basic single unit motor vehicle
C = Commercial, valid (provided driver has the proper endorsement) for any class D vehicle transporting hazardous materials, and for school buses
D = The normal (not commercial) driver license. Permits operation of up to two single units (motor vehicle and trailer) up to 26,000 GVWR (gross vehicle weight rating), fire trucks, and recreational vehicles. Not valid for a vehicle that required a hazardous materials endorsement. May tow trailers up to 10,000 pounds.
I = ID card only
T = Lifetime ID card only (65 and older)
M = Moped license only
R = Tracer record
X = CONAX record

**Endorsements:**

T = Double or triple trailers
N = Tanker
H = Hazardous materials
X = Tanker with hazardous materials
S = School bus
P = Vehicle (other than school bus) transporting 16 or more passengers
M = Motorcycle

**Other:**

8 = inapplicable
0 = Officer and / or citizen should have completed this field, but failed to do so.

**P111: DLSTAT1: Driver License Status (valid or in violation)**

This field should be filled out for Minnesota-licensed drivers. Some officers may fill it out for other drivers too. This field is inapplicable for pedestrians, bicyclists, and other non-motorists. (See P303 for similar field brought back from DL file.)

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric
**Data entry screen prior to entry:** _ _
**How entered:** nn (include leading zero)
**Typical examples:** 01, 02
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If officer enters a slash or I, coder should enter I for inapplicable. If officer leaves field blank, coder should tab over field and computer should:

- If person is not a motor vehicle driver (PTYPE not = 1), computer should enter 98, for inapplicable.
- If person is a driver (PTYPE = 1) and has DLSTATE not = MN, computer should enter 98 for inapplicable
- If person is a driver (PTYPE = 1) and has DLSTATE=MN, computer should enter 00, for "officer should have completed this field but failed to do so."

**Edit checks:**
**Valid values:**

01 = Valid, and within all restrictions
02 = Violation -- beyond restrictions
03 = Violation -- not endorsed for this type of vehicle
04 = Violation -- license suspended
05 = Violation -- license revoked
06 = Violation -- license cancelled

07 = Violation of limited license provisions
08 = Violation -- expired license
90 = Other
98 = Not applicable
99 = Officer and /or citizen reported that driver license status was unknown
00 = Officer should have completed this field but failed to do so.

**GENERAL NOTE regarding P112 (DOB) and P113 (AGE).**

The Law Enforcement crash report ask the officer to show the dates of birth for every person in the crash.

The citizen's report ask the citizen (usually the driver) to show the date of birth for the driver, but to show the ages of other persons.

Therefore, when the officer submits a report, there should be a DOB for every person. When only citizen reports are available, there may not be a DOB.

See field P203, which will derive the age for every person in the crash, either from P112 or from P113.

**P112: DOB: Person's date of birth**

**Source: Police accident report:** yes **Citizen accident report:** yes (for driver only)
**In original database:** yes **In sanitized database:** yes
**Format:** date format: mm-dd-yyyy
**Data entry screen prior to entry:** _ _ - _ _ - _ _ _ _
**How entered:** mm-dd-yyyy
**Typical examples:** 08-11-1949
**Stored in database as:** mm-dd-yyyy
**Defaults / missing values:** If field is blank on officer and citizen report, coder should tab over field and computer should enter 00 for "left blank."
**Edit checks:**
**Valid values:**
mmddyyyy = date
00 = Officer and / or citizen should have completed this field, but failed to do so.

**P113: AGE1: Person's age**

**Source: Police accident report:** no **Citizen accident report:** yes (for non-drivers)
**In original database:** yes **In sanitized database:** yes
**Format:** 3-column numeric: nn (with leading zero)n
**Data entry screen prior to entry:** _ _ _
**How entered:** nnn (enter leading zero or zeroes)
**Typical examples:** ..008, 027
**Stored in database as:** as entered
**Defaults / missing values:** If left blank on citizen report, coder should tab over field, and computer should enter 998 (not 000, which is a valid age) for "citizen report failed to show age of person."
**Edit checks:**
**Valid values:**
000, 001, 002, ... and so on.
998 = citizen report failed to report age.
999 = citizen report showed that age of person was unknown.

**P114: VIOLS: Was the driver cited for violations stemming from this accident?**

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric
**Data entry screen prior to entry:** _
**How entered:** y, n, i, or x
**Typical examples:** ..y, n, i, or x
**Stored in database as:** y, n, i, x, or z
**Defaults / missing values:** If officer leaves field blank, coder should tab over field and computer should:

- If person is not a driver (PTYPE not = 1) computer should enter I for inapplicable
- If person is a driver (PTYPE = 1) computer should enter Z, for "officer failed to complete this field."

**Edit checks:**

**Valid values:**

Y = yes, driver was cited for violations stemming from this accident
N = No, driver was not cited for violations stemming from this accident
I = Inapplicable (person was not a driver)
X = Unknown (officer entered X, showing that officer did not know if driver was cited for violations
Z = Officer should have completed this field but failed to do so

**P115: RESTRICT1: What restrictions were shown on this persons driver's license?**

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** ..01
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If officer draws diagonal line through box, or enters I, coder should enter 98 for not applicable. If officer leaves field blank, coder should tab over field, and computer should:

- If person is not a driver (PTYPE not = 1), computer should enter 98, for "not applicable."
- If person is a driver (PTYPE = 1) and does not have a Minnesota driver license (DLSTATE not = MN), computer should enter 98, for "not applicable"
- If person is a driver (PTYPE = 1) and has a Minnesota driver license (DLSTATE = MN), computer should enter 00, for "officer failed to complete this field."

**Edit checks:**

**Valid values:**

01 = None
02 = Corrective lenses
03 = Mechanical devices
04 = Prosthetic aid
05 = Automatic transmission
06 = Outside mirror
07 = Limit to daylight hours
08 = Limit to employment only
09 = Limited -- other
10 = Learner's permit
11 = CDL (commercial driver license) -- Intrastate only
12 = Vehicles without air brakes
13 = Except Class A bus
14 = Except Class A and Class B bus
15 = Except tractor trailer
16 = Farm waiver
17 = Multiple restrictions
90 = Other
98 = Not applicable (person is not a driver, or is a driver but is not Minnesota-licensed)
99 = Unknown (officer entered that he or she did not know or could not determine what restrictions, if any, the driver was under)
00 = Officer should have completed this field, but failed to do so

**P116. PHYSCND: What was the "apparent physical condition" of the driver or non-motorist?**

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 99
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If officer draws a diagonal line through box, coder should enter 98 for not applicable. If officer leaves box blank, coder should tab over field, and computer should:

- If person is not a driver, pedestrian, bicyclist, or other non-motorist (PTYPE not = 1, 5, 6) computer should enter 98 for "not applicable."
- If person is a driver or non-motorist (PTYPE = 1, 5, 6) computer should enter 00, for "officer failed to complete this field."

**Edit checks:**

**Valid values:**

01 = Normal--no alcohol or drugs
02 = Under the influence
03 = Had been drinking
04 = Commercial vehicle driver over .04 BAC
05 = Had been taking drugs
06 = Aggressive
07 = Fatigued / asleep
08 = Physical disability
09 = Ill
90 = Other
98 = Not applicable
99 = Officer reported that apparent physical condition was unknown
00 = Officer should have completed this field, but failed to do so

**P117: RECOMND: Officer's recommendations for driver**

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column numeric: n
**Data entry screen prior to entry:** _
**How entered:** n
**Typical examples:** 1, 2, 3, 4
**Stored in database as:** 1, 2, 3, 4, 8, 0
**Defaults / missing values:** If officer draws a diagonal line through field, coder may enter 8 for not applicable, or may leave field blank. If officer leaves field blank, coder should tab over field and computer should:

- If person is not a driver (PTYPE not = 1), computer should enter 8 for "not applicable."
- If person is a driver (PTYPE = 1), computer should enter 0 for "officer did complete this field."

**Edit checks:**

**Valid values:**

1 = None
2 = Physical exam
3 = Driver exam
4 = Both a physical exam and a driver exam
8 = Not applicable (person is not a driver)
0 = Officer did not make an entry in this field

**P118: ADDCOR: Was the address shown on this person's driver license correct (i.e., was it the same as the person's current address)?**

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric: a
**Data entry screen prior to entry:** _
**How entered:** y, n, i, x
**Typical examples:** y, n, i, x
**Stored in database as:** y, n, i, x, or z
**Defaults / missing values:** If officer draws a diagonal line through box, coder should enter I, for inapplicable. If officer left field blank, coder should tab over field and computer should:

- If person is not a motor vehicle driver (PTYPE not = 1), computer should enter I for inapplicable.
- If person is a motor vehicle driver (PTYPE = 1), computer should enter X for, "officer failed to complete this field."

**Edit checks:**

**Valid values:**

Y = yes

N = no
I = not applicable (the person was not a motor vehicle driver)
X = Officer reported that he or she could not determine if the address on the DL was correct
Z = Officer failed to complete field

**P119: SEX: Person's gender**

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric: a
**Data entry screen prior to entry:** _
**How entered:** m, f, x
**Typical examples:** m, f
**Stored in database as:** m, f, x, z
**Defaults / missing values:** If officer and citizen reports both fail to report sex, coder might enter appropriate code, if confident. Or coder may tab over field, and then computer should enter z to signify, "sex not reported on any reports received."
**Edit checks:**
**Valid values:**
M = male
F = female
X = Officer and / or citizen reports indicated that sex of person was not known.
Z = Officer and / or citizen should have completed this field but failed to do so.

**P120: EQPTYPE: Type of safety equipment in place in the vehicle in the position the person was occupying**

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02, ...
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If officer and / or citizen leave field blank, coder should tab over field and computer should:
- If person is not associated with a vehicle that has VEHTYPE = (1 thru 6, 31 thru 38), computer should enter 98 for "not applicable."
- If person is associated with a vehicle that has VEHTYPE = (1 thru 6, 31 thru 38), computer should enter 00 for "officer and / or citizen failed to complete this field."

**Edit checks:**
**Valid values:**
01 = Not in place (i.e., required safety equipment such as seat belt, child seat, etc., was not in place)
02 = Lap belt
03 = Shoulder belt
04 = Lap and shoulder belt
05 = Child safety seat
06 = Child booster seat
90 = Other
98 = Not applicable (person was not an occupant of a motor vehicle normally equipped with safety equipment)
99 = Officer and / or citizen reported that that they did not know what type of safety equipment was in place in the vehicle in the place the person occupied.
00 = Officer and / or citizen should have completed this field but failed to do so.

**P121: EQPUSE: Manner in which safety equipment was used by person**

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02,...
**Stored in database as:** nn (with leading zero)

**Defaults / missing values:** If officer and / or citizen leave field blank, coder should tab over field and computer should:

- If person is associated with VEHTYPE = (7, 8, 90, 99) or person is a non-motorist (VEHTYPE = 51,52,53,54), computer should enter 98, for "not applicable."
- If person is associated with VEHTYPE not = (7, 8, 51 thru 54, 90, 99) computer should enter 00 for " officer and / or citizen failed to complete this field."

**Edit checks:**

**Valid values:**

01 = Belts not used
02 = Lap belt only used
03 = Shoulder belt only used
04 = Lap and shoulder belt used
05 = Child seat not used
06 = Child set used improperly
07 = Child seat used properly
08 = Booster seat not used
09 = Booster seat used improperly
10 = Booster seat used properly
11 = Helmet not used
12 = Helmet used
13 = Dark (non-light-reflective clothing)
14 = Light-reflective clothing
15 = No protective (elbow, knee, etc) pads8
16 = protective pads
90 = Other
98 = Not applicable (person was not in a vehicle was in vehicle but in a position where this field doesn't apply.)
99 = Officer and / or citizen reported that they did not know the safety equipment use
00 = Officer and / or citizen failed to complete field.

**P122: AIRBAG: Airbag deployment**

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column alphanumeric: nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If officer draws a diagonal line through field, coder should enter 98 for not applicable. If officer and / or citizen leaves field blank, coder should tab over field, and computer should:

- If person had PTYPE = (4,5,6) computer should enter 98 for "not applicable."
- If person had PTYPE = (1,2,3), computer should enter 00 for "this field was either not applicable for this person, or it was applicable, but the officer and / or citizen failed to complete this field"

**Edit checks:**

**Valid values:**

01 = Deployed--front
02 = Deployed--side
03 = Deployed -- front + side
04 = Not deployed--switch on
05 = Not deployed--switch off
06 = Not deployed--unknown if switch on or off
90 = Other
98 = Not applicable
99 = Officer and /or citizen reported that airbag deployment was unknown
00 = This field was either not applicable for this person, or it was applicable, but the officer and / or citizen failed to complete this field

**P123: EJECT: Was person ejected from vehicle?**

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes

**Format:** 2 column numeric: nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02, ...
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If officer and / or citizen leave field blank, coder should tab over field, and computer should:

- If person was not in a motor vehicle (VEHTYPE not = 1 through 38, 90, 99), computer should enter 98, for "not applicable."
- If person was in a motor vehicle (VEHTYPE = 1 thru 38, 90, 99) computer should enter 00, for "officer and / or citizen failed to complete this field.)

**Edit checks:**
**Valid values:**

01 = Trapped, extricated (by mechanical means)
02 = Trapped, freed by non- mechanical means
03 = Partially ejected
04 = Ejected
05 = Not ejected
90 = Other
98 = Not applicable (person was not in a motor vehicle)
99 = Officer and / or citizen reported that they did not know about person's ejection status
00 = Officer and /or citizen should have completed this field but failed to do so.

**P124: INJSEV: Injury Severity**

This is a super-required, or systemic, field.
This field must be completed for every person in the accident. Every person must be assigned an injury severity of K, A, B, C, or N. Injury severity can not be unknown.
Note: this field is used to construct ACCSEV. (See A201)

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric: a
**Data entry screen prior to entry:** _
**How entered:** a
**Typical examples:** N
**Stored in database as:** a
**Defaults / missing values:** If officer and citizen fail to complete field, computer should enter N, for "no apparent injury."
**Edit checks:**
**Valid values:**

A = Severe injury (also called "incapacitating injury").
B = Moderate injury (also called "non-incapacitating injury")
C = Minor injury (also called "possible injury").
K = Fatal injury
N = No apparent injury

**P125: ALCTEST: Was this person (driver or non-motorist) tested for BAC (blood alcohol concentration) y/n?**

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric: a
**Data entry screen prior to entry:** _
**How entered:** a
**Typical examples:** y, n, i, x
**Stored in database as:** y, n, i, x, or z
**Defaults / missing values:** If officer leaves field blank, coder should tab over field and computer should:

- If person has PTYPE = (2, 3, 4) computer should enter I for inapplicable.
- If person has PTYPE = (1, 5, 6), computer should enter Z for "officer failed to complete this field."

**Edit checks:**
**Valid values:**

Y = Yes, person was tested for alcohol

N = No, person was not tested for alcohol
I = Inapplicable (person was not a driver, pedestrian, or bicyclist)
X = Officer indicated that it was not known if person was tested for alcohol
Z = Officer should have completed this field but failed to do so.

**P126: ALCTYPE: Alcohol test type**

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** no
**Format:** 2 column numeric: nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02, 98, ...
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:**

1. If officer draws a diagonal line through the box, coder should enter 98 for not applicable.
2. If officer leaves field blank, coder should tab over field and computer should:
   - If ACLTEST = (N, I, X, Z) computer should enter 98 for not applicable.
   - If ALCTEST = Y, computer should enter 00 for "officer failed to complete this field."

**Edit checks:**
**Valid values:**

01 = Blood
02 = Serum
03 = Breath
04 = Urine
90 = Other
98 = Not applicable
99 = Officer reported that type of test was unknown
00 = Officer should have completed this field but failed to do so

**P127: DRUGTEST: Was this person (driver or non-motorist) tested for drugs (y/n)?**

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric: a
**Data entry screen prior to entry:** _
**How entered:** a
**Typical examples:** ..y, n, i, x
**Stored in database as:** y, n, i, x, or z
**Defaults / missing values:** If officer leaves field blank, coder should tab over field and computer should:

- If person has PTYPE = (2, 3, 4) computer should enter I for inapplicable.
- If person has PTYPE = (1, 5, 6) computer should enter Z for "officer failed to complete this field."

**Edit checks:**
**Valid values:**

Y = Yes, person was tested for drugs
N = No, person was not tested for drugs
I = Inapplicable (person was a passenger -- not a driver, and not a non-motorist)
X = Officer indicated that it was not known if person was tested for drugs
Z = Officer should have completed this field but failed to do so.

**P128: DRUGTYPE: Drug test type**

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** no
**Format:** 2 column numeric: nn (with leading zero)
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 01, 02, 98, ...
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:** If officer draws a diagonal line through the box, coder should enter 98 for not applicable. If officer leaves field blank, coder should tab over field and computer should:

- If DRUGTEST = (N, I, X, Z) computer should enter 98 for not applicable.
- If DRUGTEST = Y, computer should enter 00 for "officer failed to complete this field."

**Edit checks:**

**Valid values:**

01 = Blood
02 = Serum
03 = Breath
04 = Urine
90 = Other
98 = Not applicable
99 = Officer reported that it was not known was type of test was performed.
00 = Officer should have completed this field but failed to do so

**P129: TOHOSP: Was this person taken to a hospital (y/n)?**

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric: a
**Data entry screen prior to entry:** _
**How entered:** a
**Typical examples:** y, n, x
**Stored in database as:** y, n, x, or z
**Defaults / missing values:** If officer leaves field blank, coder should tab over field and computer should enter Z for "officer failed to complete this field."
**Edit checks:**
**Valid values:**

Y = yes
N = no
X = Officer indicated that it was not known if person was taken to the hospital
Z = Officer should have completed this field but failed to do so.

**P130: METHHOSP: Method of transport to hospital (ambulance or other)?**

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric: a
**Data entry screen prior to entry:** _
**How entered:** a
**Typical examples:** A, O
**Stored in database as:** A, O, I, X, or Z
**Defaults / missing values:** If officer draws a diagonal line though this box, coder should enter I for inapplicable. If officer makes some entry to indicate that person went to the hospital but by an unknown means, coder should enter X, for unknown.
If officer leaves field blank, computer should:

- If TOHOSP = N, computer should enter I for inapplicable.
- If TOHOSP = (X, Z), computer should enter X for unknown.
- If TOHOSP = Y, computer should enter Z, for "officer failed to complete this field."

**Edit checks:**
**Valid values:**

A = Ambulance
O = Person was taken to hospital by means other than by ambulance
I = Persons was not taken to the hospital
X = Officer indicated that it was not known if or how person was taken to a hospital.
Z = Officer failed to complete this field.

**P131: AMBSERV: Name of ambulance service that took person to hospital.**

**Source: Police accident report:** yes **Citizen accident report:** no
**In original database:** yes **In sanitized database:** yes
**Format:** ? 20 column alphanumeric ?
**Data entry screen prior to entry:** _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
**How entered:** as shown on crash report
**Typical examples:** Alina, HealthEast, LifeLink
**Stored in database as:** as entered

**Defaults / missing values:** If officer enters diagonal line, coder should enter I for inapplicable. If officer leaves field blank, coder should tab over field and computer should:

1. If METHHOSP = (O, I) computer should enter I for inapplicable.
2. If METHHOSP = (X, Z) computer should enter X for unknown
3. If METHHOSP = A, computer should enter Z for "officer should have completed this field but failed to do so."

**Edit checks:**

**Valid values:**

Name of Ambulance Service

I = Inapplicable (there was no ambulance)

X = It is not known if the person went to the hospital and, if so, what ambulance service was used

Z = Officer should have completed this field, but failed to do so.

**P132: RUNNUM: Ambulance service run number for the run that took this person to the hospital**

**Source: Police accident report:** yes **Citizen accident report:** no

**In original database:** yes **In sanitized database:** no

**Format:** 8 column alphanumeric

**Data entry screen prior to entry:** _ _ _ _ _ _ _ _ _

**How entered:** as shown on crash report

**Typical examples:** ???

**Stored in database as:** as entered in computer

**Defaults / missing values:** If officer leaves draws diagonal line through field, coder should enter I for inapplicable. If officer enters X or writes "unknown," coder should enter X for unknown. If officer leaves field blank, coder should tab over field and computer should:

- If AMBSERV = I, computer should enter I for inapplicable.
- If AMBSERV = (X, Z), computer should enter X for unknown.
- Else, computer should enter Z for "officer should have completed this field, but failed to do so."

**Edit checks:**

**Valid values:**

a to aaaaaaaa = run number entered on crash report

I = Person was not taken to hospital by an ambulance

X = Run number not known

Z = Officer should have completed this field but failed to do so.

**P133: FATALNO: Fatality number assigned to this traffic death (sequential since January 1 of year)**

**Source: Police accident report:** no **Citizen accident report:** no

The fatality number is assigned to a traffic death by DVS/AR. It is consecutive from January 1 of a year through December 31 of the same year. Thus if there were 625 deaths in 1 year, FATNO will range from 1 to 625 -- no duplicates, and no gaps.

**In original database:** yes **In sanitized database:** no

**Format:** 5 column numeric

**Data entry screen prior to entry:** _ _ _ _ _

**How entered:** nnnnn (with leading zero)

**Typical examples:** 00325

**Stored in database as:** nnnnn (with leading zeroes)

**Defaults / missing values:** Every traffic death will have a fatality number assigned to it. If the person did not have INJSEV='k,' computer should enter 00000 to signify "person did not die."

**Edit checks:**

**Valid values:**

00000 = person did not die

00001 to 99999 = fatality number DVS/AR assigned to this traffic fatality

**P134: COREPORT: If person died, was the "Coroner's Report" received?**

**Source: Police accident report:** no **Citizen accident report:** no

The "coroner's report" is officially titled "Certificate of Motor Vehicle Death." (A coroner is now always a physician and is usually called a "medical examiner.") Minnesota Statute 169.09(11) requires the medical examiner to submit a "certificate of motor vehicle death" to DPS on any person who dies due to a car crash.

Additionally, if the person is a driver or pedestrian (or, presumably, any non-motorist) 16 years of age or older and dies within 4 hours of the crash, the medical examiner must test for blood alcohol concentration, and report the result to DPS.

DVS /AR will enter Y or N in COREPORT to show if this "coroner's report" has been received.

This "coroner's report" may then becomes the source for P137 (date of death) and P138 (blood alcohol concentration)

**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric
**Data entry screen prior to entry:** _
**How entered:** a
**Typical examples:** y, n, i
**Stored in database as:** y, n,
**Defaults / missing values:** If Accident Records Office did not complete this field, computer should:

- If person did not die (INJSEV not = K), computer should enter I for inapplicable.
- If person died, computer should enter Z for "Accident Records did not complete this field."

**Edit checks:**
**Valid values:**

Y = yes
N = no
I = inapplicable (person did not die)
X = Accident Records Office does not know if the coroner's report was received.
Z = Accident Records office did not complete this field.

**Special Note regarding fields P135 -- P138 for people killed**

P135 (LASTNAME) and P136 (FIRSTMID) are special cases. Each year, there are about 600 traffic deaths out of about 260,000 persons who are involved in crashes. If the person dies, then DVS/AR enters the person's name in the ARDB (last name in field P135, and first and middle name in P136).

DVS/AR will also enter the date of death (P137) and, if a test was performed and reported on the coroner's report, the blood alcohol concentration (P138)

Doing this enable DVS/AR to generate a special report each month called a "fatality report."

**P135: LASTNAME: Last name of person killed**

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** no
**Format:** ? 25-column alphanumeric
**Data entry screen prior to entry:** ? _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
**How entered:**
**Typical examples:**
**Stored in database as:** as entered
**Defaults / missing values:**

- If person did not die (INJSEV not = 'k'), computer should enter 98 for inapplicable.
- If person died and DVS/AR did not enter a date of death, computer should enter 00 for 'DVS/AR did not complete this field.'

**Edit checks:**
**Valid values:**

aaaaaa....aaa = person's last name
98 = person did not die
00 = DVS/AR did not complete this field

**P136: FIRSTMID: First and middle name of person killed**

**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** no
**Format:** ? 25-column alphanumeric
**Data entry screen prior to entry:** _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
**How entered:**
**Typical examples:** ..

**Stored in database as:** as entered
**Defaults / missing values:**
- If person did not die (INJSEV not = 'k'), computer should enter 98 for inapplicable.
- If person died and DVS/AR did not enter a date of death, computer should enter 00 for 'DVS/AR did not complete this field.'

**Edit checks:**
**Valid values:**
aaa...aaa = person's first and middle name or initial
98 = person did not die
00 = DVS/AR did not complete this field

**P137: FATDATE: date of death**
**Source: Police accident report:** yes **Citizen accident report:** yes
Coroner's report could be source of fatality date.
**In original database:** yes **In sanitized database:** yes
**Format:** date format: e.g. mm-dd-yyyy
**Data entry screen prior to entry:** _ _ - _ _ -_ _ _ _
**How entered:** mmddyyyy
**Typical examples:** 10-21-2005
**Stored in database as:** mmddyyyy
**Defaults / missing values:**
- If person did not die (INJSEV not = 'k'), computer should enter 98 for inapplicable.
- If person died and DVS/AR did not enter a date of death, computer should enter 00 for 'DVS/AR did not complete this field.'

**Edit checks:**
**Valid values:**
mmddyyyy = date of death
98 = person did not die
00 = DVS/AR did not complete this field

**P138: FATBAC: BAC test result from medical examiner**
**NOTE:** FATBAC should not be confused with P315: ALCRSLT
**Source: Police accident report:** yes **Citizen accident report:** yes
**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn
**Data entry screen prior to entry:** _ _
**How entered:** nn (with leading zero)
**Typical examples:** 00 (test was negative for alcohol)
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:**
- If person did not die (INJSEV not = 'k'), computer should enter 98 for inapplicable.
- If person died and DVS/AR did not enter a BAC test result, computer should enter 99 (not 00, which = negative) for 'this person was not tested, or test result was not received.'

**Edit checks:**
**Valid values:**
00 = Negative (0 alcohol concentration)
01 = .01 (positive for alcohol at the .01% blood alcohol concentration level -- BAC)
02 = .02 (positive for alcohol at the .02 BAC)
...
60 = .60 (positive for alcohol at the .60 BAC)
98 = not applicable
99 = this person was not tested, or test result was not received

**Part P2: This part shows person-level fields that are not on the form itself. These fields are created by the computer, and are derived from fields that are entered directly into the computer from the crash reports.**

**P201: PTYPE: Person type**

We do not currently have a field such as PTYPE. It will be extremely useful to create this field by deriving it from the following fields: VEHTYPE (V128), INTRANS (see V202), and POSITN (see P108).

**Source: Police accident report: Citizen accident report:**

- If INTRANS = Y and POSITN = 1 then PTYPE = 1
- If INTRANS = Y and POSITN = (2 thru 16) then PTYPE = 2
- IF INTRANS = Y and POSITN = 19 then PTYPE = 3
- If INTRANS = N and POSITN = (1 through 16) then PTYPE = 4
- If VEHTYPE = 53 then PTYPE = 5
- If VEHTYPE = (51, 52, 54) then PTYPE = 6

**In original database:** yes **In sanitized database:** yes

**Format:** 1 column alphanumeric

**Typical examples:** 1,2,3,4,5,6

**Stored in database as:**

**Defaults / missing values:**

**Edit checks:**

**Valid values:**

**Motorists (1, 2, and 3)**

1 = DRIVER -- (Motorist -- driver or operator of a motor vehicle in transport)

2 = PASSENGER -- (Motorist -- passenger of a motor vehicle in transport. This person was a passenger or rider in or on the motor vehicle.)

3 = Unknown Motorist -- (Motorist -- person was associated with a motor vehicle in transport, but it is unknown whether the person was a driver / operator of the motor vehicle or was a passenger)

**Non-motorists (4, 5, and 6)**

4 = Occupant of a motor vehicle -- but the motor vehicle was not in transport (This is a type of non-motorist)

5 = BICYCLIST -- (Non-motorist -- pedalcyclist -- the person was riding a unicycle, bicycle, tricycle, etc.)

6 = PEDESTRIAN -- (Non-motorist -- pedestrian or other type of non-motorist. Include here: pedestrian, skater, horseback or other animal rider, horse-drawn cart occupant, wheelchair--including motorized wheelchair--occupant, etc.

**P202: AGEB: Person's age (1-year categories)**

**Source: Police accident report:** yes **Citizen accident report:** yes

The officer enters the date of birth (see DOB: P112) for every person in the crash. The citizen's report will show the date of birth for the driver, but may only show the age (see AGE: P113) for others.

The coders will enter the date of birth, when possible. Or they may enter the person's age if they only have a citizen report to go on.

When P112 contains the date of birth, the computer should derive the age as:

[ACCDATE (A112) - DOB (P112) ] / 365.25 and then round down to the nearest full-year value.

When P112 = 00 (left blank), computer should enter the value from P113 into AGEB.

If P112 = 00 and P113 = 998, computer should enter 998.

If P112 = 00 and P113 = 999, computer should enter 999

**In original database:** yes **In sanitized database:** yes

**Format:** 3 column numeric

**Stored in database as:** nnn

**Defaults / missing values**

**Edit checks:**

**Valid values:**

000 = less than 1 year old
001 = 1 year old
002 = 2 years old
...
998 = officer and / or citizen should have completed field, but failed to do so
999 = officer and / or citizen both showed that age was unknown

**P203: AGEC: Person's age (5-year categories)**

**Source: Police accident report:** yes **Citizen accident report:** yes

Derived from P202:

- If AGEB = (0,1,2,3,4) then AGEC = 1
- If AGEB = (5,6,7,8,9) then AGEC = 2
- ...
- If AGEB = (80,81,82,83,84) then AGEC =
- If AGEB ge 85 and AGEB le 125 then AGEC =
- If AGEB = 998 then AGEC = 98
- If AGEB = 999 then AGEC = 99

**In original database:** yes **In sanitized database:** yes

**Format:** 2 column numeric: nn

**Stored in database as:** nn (with leading zero)

**Defaults / missing values:**

**Edit checks:**

**Valid values:**

01 = 0 - 4 years old
02 = 5 - 9 years old
03 = 10 - 14 years old
04 = 15 - 19 years old
05 = 20 - 24 years old
06 = 25 - 29 years old
07 = 30 - 34 years old
08 = 35 - 39 years old
09 = 40 - 44 years old
10 = 45 - 49 years old
11 = 50 - 54 years old
12 = 55 - 59 years old
13 = 60 - 64 years old
14 = 65 - 69 years old
15 = 70 - 74 years old
16 = 75 - 79 years old
17 = 80 - 84 years old
18 = 85 or older
98 = left blank
99 = officer and / or citizen showed that age was unknown

**P204: INJSEVB: Injury Severity (abbreviated from INJSEV)**

**Source: Police accident report:** yes **Citizen accident report:** yes

Field INJSEV (P124) shows injury severity in 5 categories K, A, B, C, N.
This field should be derived from that as follows:
If INJSEV=K then INJSEVB =K.
If INJSEV in (A,B,C) then INJSEVB = I (for injured).
If INJSEV = N then INJSEVB = N (for not injured)

**In original database:** yes **In sanitized database:** yes

**Format:** 1 column alphanumeric

**Data entry screen prior to entry:**

**Stored in database as:** a

**Defaults / missing values:** Every person must have a value on INJSEV and INJSEVB. There can be no "unknowns."

**Edit checks:**

**Valid values:**

K = Killed
I = Injured
N = Not injured

**Part P3: Fields at the person level that do not come from the Crash Reports. These fields are obtained through links to other databases**

**Fields posted from the Accident Records Database (person file) to the Driver License Database:**

NOTE the following important detail:
If the person was a driver of a motor vehicle (i.e., excluding pedestrians and other non-motorists), and if the person has a Minnesota driver license, then four fields are posted from the accident records database to the Minnesota Driver License files. These 4 fields are

1. Accident date (see A112)
2. Accident number (see A105)
3. Accident severity (see A201)
4. Driver's apparent physical condition (see P115)

In addition, there had been an attempt to post to the DL record an indicator to show if the vehicle the person had been driving was a commercial vehicle. Thus there was a fifth field:

5. Was the vehicle a commercial vehicle (where C = commercial and N = not commercial)

However, the attempt to post this to the DL record had not succeeded, and all values went to N (non-commercial).
For practical purposes, if VEHTYPE = (31 through 38) then the vehicle is probably a commercial vehicle.

**Fields posted from the Driver License Database to the Accident Records Database (person file):**

If a driver has a Minnesota driver license, Accident Records staff enters the Driver License number from the officer's or citizen's crash report into the database. Then, in a nightly batch mode process, that DL number is sent to the mainframe Driver License files and the following items of information are returned:

Current DL number (P301)
Driver license class (P302)
Driver license status (under withdrawal or not) (P303)
Driver county of residence (P304)

(If the driver does not have a Minnesota license, then no Driver License number (and no name or any other identifying information) is entered into the Accident Records database.)

In addition, we desire the following fields to be copied from the Driver License database to the Accident Records Database: up to 3 restrictions (P305, P306, P307), all endorsements on the driver license (7 possible: P308 -- P314). These fields are described below.

In addition, when it becomes feasible, we desire the following additional fields to be copied from computerized files maintained at the Bureau of Criminal Apprehension to the Accident Records Database: (313) BAC test result, (314) drug test result.

**P301: DLNO2: From the MN Driver license file: Current DL number**

As noted, if the person has a Minnesota driver license, that will be reported on the police and citizen accident reports. Accident Records staff will enter it into the Accident Records Database. (See P104.)

That number then goes against the DL database. The number entered might be the current DL number or it might have been superseded by a more recent DL number (for example, a person had a name change, due to marriage or other cause).

In either case, the match-up with the DL database brings back the *current* DL number and enters that into Accident Records database.

**Source: Police accident report:** **Citizen accident report:**
**In original database:** yes **In sanitized database:** no
**Format:** 13 column alphanumeric: annnnnnnnnnnn
**Data entry screen prior to entry:** _ - _ _ _ - _ _ _ - _ _ _ - _ _ _
**Typical examples:** See P104

**Stored in database as:** annnnnnnnnnnn
**Defaults / missing values:**
1. If P104 = (1, 2, 3, 5) enter that value here.
2. Enter the current DL number here (which may be identical to P104).
3. If the value in P104 finds no match in the DL database, computer should enter 4 for "dl number from accident report found no match in DL file."

**Edit checks**
**Valid values:**
A to Z, followed by 12 numeric digits: a Minnesota driver license number
1 = Inapplicable: person was a non-motorist (person was not a driver)
2 = Person was a driver but was licensed outside Minnesota
3 = Person was a driver, but for unknown reasons, does not have a driver's license.
4 = Dl number from accident report did not find any match in MN DL database
5 = Officer and / or citizen failed to complete the DL number field.

**P302: DLCLASS2: From the MN driver license file: Class of MN driver license**

This field corresponds partly to P110, entered by coder from crash report.

**Source: Police accident report:** **Citizen accident report:**
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric
**Typical examples:** A, B, C, D
**Stored in database as:** A, B, C, D, I, T, M, R, X
**Defaults / missing values:**
If field DLNO2 has a valid value, then DLCLASS2 will have take a value of A, B, C, D, I, T, M, R, or X.
Otherwise, enter the value (1, 2, 3, 4, or 5) from DLNO2 to DLCLASS2.
**Edit checks:**
**Valid values:**
A = Commercial, highest level, valid for any vehicle or combination
B = Commercial, valid for any basic single unit motor vehicle
C = Commercial, valid (provided driver has the proper endorsement) for any class D vehicle transporting hazardous materials, and for school buses
D = The normal (not commercial) driver license. Permits operation of up to two single units (motor vehicle and trailer) up to 26,000 GVWR (gross vehicle weight rating), fire trucks, and recreational vehicles. Not valid for a vehicle that required a hazardous materials endorsement. May tow trailers up to 10,000 pounds.
I = ID card only
T = Lifetime ID card only (65 and older)
M = Moped license only
R = Tracer record
X = CONAX record
1 = person was a non-motorist (person was not a driver)
2 = Person was a driver but was licensed outside Minnesota
3 = Person was a driver, but for unknown reasons, does not have a driver's license.
4 = Dl number from accident report did not find any match in MN DL database
5 = Officer and / or citizen should have completed this field but failed to do so

**P303: DLSTAT2: From the MN driver license file: Driver license status (was this person's driver's license under withdrawal or not under withdrawal?)**

This field corresponds somewhat to P113, DLSTAT1. For DLSTAT1, the officer showed on the crash report the status of the person's driver license. That field had 9 possible values, where values 02 through 08 correspond to value Y of this field DLSAT2.

**Source: Police accident report:** **Citizen accident report:**
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric: a
**Typical examples:** y, n,
**Stored in database as:** y, n, or i
**Defaults / missing values:** If DLCLASS2 not = (A, B, C, D) then computer should enter I for inapplicable.
**Edit checks:**
**Valid values:**
Y = yes, person's Minnesota driver license was under withdrawal at time of crash

N = no, person's Minnesota driver license was not under withdrawal at time of crash
I = Inapplicable. Person is not known to have a Minnesota driver license

**P304: DLCOUNTY: From the MN driver license file: driver's county of residence**

**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn (with leading zero)
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:**
If DLCLASS2 not = (A, B, C, D) then computer should enter I for inapplicable.
If DLCLASS1 = (A, B, C, D), then computer should enter the county of residence
**Edit checks:**
**Valid values:**
01 to 87: See listing under A122 (County)

**P305: DLREST2A: From the MN driver license file: first-listed restriction driver is under**

A driver can be under various restrictions. DVS identifies 16 types of restrictions by a letter code. See list under valid values below. This field DLREST1 should show the first of any restrictions listed on the DL.

**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric
**Typical examples:**
**Stored in database as:** 1 column alphanumeric: a
**Defaults / missing values:**
If DLCLASS2 = (1 thru 5), copy that value here.
If DLCLASS2 = (A, B, C, D), and there are no restrictions on driver's license enter 0.
If there is 1 or more than 1 restriction, enter the code for that restriction here
**Edit checks:**
**Valid values:**
A = Any use of alcohol or drugs invalidates license
B = Hand-operated brakes
C = Complete hand controls
D = Prosthetic aid
E = Automatic transmission
F = Left outside mirror
G = Daylight driving only
I = Also valid for 3-wheeled motorcycle
J = Farm work and driver education instruction permit
K = Intrastate only
L = Driving vehicle without airbrakes
O = Valid for vehicles less than 2601 GVWR (gross vehicle weight rating)
Q = Hand operated light beam control
R = Elevated driver seat
U = No freeway driving
W = Valid for vehicles less than 2601 GVWR and buses with passenger capacity under 24

1 = person was a non-motorist (person was not a driver)
2 = Person was a driver but was licensed outside Minnesota
3 = Person was a driver, but for unknown reasons, does not have a driver's license.
4 = Dl number from accident report did not find any match in MN DL database
5 = Officer and / or citizen failed to complete this field.

**P306: DLREST2B: From the MN driver license file: second-listed restriction driver is under**

**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric
**Typical examples:**
**Stored in database as:** a
**Defaults / missing values:**
1. If DLCLASS2 = (1 thru 5), copy that value here.
2. If DLCLASS2 = (A, B, C, D), and there are not a second restriction on driver's license enter 0.
3. If there is a second restriction, enter the code for that restriction here

**Edit checks:**
**Valid values:** See P306

**P307: DLREST2C: From the MN driver license file: third-listed restriction driver is under**
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric: a
**Typical examples:**
**Stored in database as:** a
**Defaults / missing values:**
1. If DLCLASS2 = (1 thru 5), copy that value here.
2. If DLCLASS2 = (A, B, C, D), and there are not a third restriction on driver's license enter 0.
3. If there is a third restriction, enter the code for that restriction here

**Edit checks:**
**Valid values:** See P306

**P308: ENDORSET: Is driver license endorsed to driver double or triple trailers**
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric
**Typical examples:**
**Stored in database as:** 1 column numeric
**Defaults / missing values:**
If person has DLCLASS2 not = (A, B, C, or D) then computer should enter I for inapplicable.
**Edit checks:**
**Valid values:**
Y = yes, person has endorsement on driver license to drive a truck tractor pulling double or triple trailers
N = no, person does not have a T endorsement
I = Inapplicable (person does not have a Minnesota driver license)

**P309: ENDORSEN: Is driver license endorsed to driver a tanker truck**
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric
**Typical examples:**
**Stored in database as:** 1 column numeric
**Defaults / missing values:**
If person has DLCLASS2 not = (A, B, C, or D) then computer should enter I for inapplicable.
**Edit checks:**
**Valid values:**
Y = yes, person has endorsement on driver license to drive a tanker truck
N = no, person does not have an N endorsement
I = Inapplicable (person does not have a Minnesota driver license)

**P310: ENDORSEH: Is driver license endorsed to permit driver to transport hazardous materials.**
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric
**Typical examples:**
**Stored in database as:** 1 column numeric
**Defaults / missing values:**
If person has DLCLASS2 not = (A, B, C, or D) then computer should enter I for inapplicable.
**Edit checks:**
**Valid values:**
Y = yes, person has endorsement on driver license to permit driver to transport hazardous materials.
N = no, person does not have an H endorsement
I = Inapplicable (person does not have a Minnesota driver license)

**P311: ENDORSEX: Is driver license endorsed to permit operation of tanker with hazardous materials.**

**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric
**Typical examples:**
**Stored in database as:** 1 column numeric
**Defaults / missing values:**
If person has DLCLASS2 not = (A, B, C, or D) then computer should enter I for inapplicable.
**Edit checks:**
**Valid values:**
Y = yes, person has endorsement on driver license to operate a tanker truck transporting hazardous materials.
N = no, person does not have an X endorsement
I = Inapplicable (person does not have a Minnesota driver license)

**P312: ENDORSES: Is driver license endorsed to permit person to drive a school bus transporting children**
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric
**Typical examples:**
**Stored in database as:** 1 column numeric
**Defaults / missing values:**
If person has DLCLASS2 not = (A, B, C, or D) then computer should enter I for inapplicable.
**Edit checks:**
**Valid values:**
Y = yes, person has endorsement on driver license to drive a school bus transporting children
N = no, person does not have an S endorsement
I = Inapplicable (person does not have a Minnesota driver license)

**P313: ENDORSEP: Is driver license endorsed to permit person to drive a vehicle (other than a school bus) designed for transporting 16 or more passengers.**
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric
**Typical examples:**
**Stored in database as:** 1 column numeric
**Defaults / missing values:**
If person has DLCLASS2 not = (A, B, C, or D) then computer should enter I for inapplicable.
**Edit checks:**
**Valid values:**
Y = yes, person has endorsement on driver license to permit operation of a vehicle (other than a school bus) designed for transporting 16 or more passengers
N = no, person does not have an S endorsement
I = Inapplicable (person does not have a Minnesota driver license)

**P314: ENDORSEM: Is driver license endorsed to permit driver to operate a motorcycle**
**In original database:** yes **In sanitized database:** yes
**Format:** 1 column alphanumeric
**Typical examples:**
**Stored in database as:** 1 column numeric
**Defaults / missing values:**
If person has DLCLASS2 not = (A, B, C, or D) then computer should enter I for inapplicable.
**Edit checks:**
**Valid values:**
Y = yes, person has endorsement on driver license to operate a motorcycle
N = no, person does not have an S endorsement
I = Inapplicable (person does not have a Minnesota driver license)

**P315: ALCRESULT: Blood Alcohol concentration test result (from link to computerized files on alcohol test results, maintained by Bureau of Criminal Apprehension--BCA).**

NOTE: The linkage to the BCA files does not exist at this time (in year 2002). We desire that a link be made, and that space be allocated to hold this data when the link does get made.

**In original database:** yes **In sanitized database:** yes
**Format:** 2 column numeric: nn (with leading zero)
**Typical examples:** 00, 01, 21
**Stored in database as:** nn (with leading zero)
**Defaults / missing values:**

- If PTYPE not = (1, 5, 6) then computer should enter 91 for "person was not a driver and was not a non-motorist."
- If PTYPE = (1, 5, 6) and ALCTEST = (N, I, X, Z), then computer should enter 92 for "person was a driver or a non-motorist, but the person was not tested (or it is not known whether the person was tested)."
- If PTYPE = (1, 5, 6) and ACLTEST = Y, then computer should enter test result, with values as shown below

**Edit checks:**
**Valid values:**

00 = Negative (0 alcohol concentration)
01 = .01 (positive for alcohol at the .01% blood alcohol concentration level -- BAC)
02 = .02 (positive for alcohol at the .02 BAC)
...
60 = .60 (positive for alcohol at the .60 BAC)
91 = Person was not a driver and was not a non-motorist
92 = Person was a driver or non-motorist, but the person was not tested, or it is not known if the person was tested or not.
99 = Person was tested but the results of the test are unknown

**P316: DRUGRSLT: Drug test result (from link to computerized files on drug test results, maintained by Bureau of Criminal Apprehension--BCA).**

**In original database:** yes **In sanitized database:** yes
**Format:** to be determined
**Stored in database as:**
**Defaults / missing values:**

- If PTYPE not = (1, 5, 6) then computer should enter (?) for "person was not a driver and was not a non-motorist."
- If PTYPE = (1, 5, 6) and DRUGTEST = (N, I, X, Z), then computer should enter (?) for "person was a driver or a non-motorist, but the person was not tested (or it is not known whether the person was tested)."
- If PTYPE = (1, 5, 6) and DRUGTEST = Y, then computer should enter test result, with values (to be determined).

**Edit checks:**
**Valid values:**

to be determined

**P317: DLERROR: Driver license error flag**

The list of fields in the current person file shows that the original database has a field named "DL_ERROR_FLAG" that is a 1-column character field.
(I do not know how this field is used.)

**In original database:** yes **In sanitized database:** no
**Format:**
**Data entry screen prior to entry:**
**How entered:**
**Typical examples:** ..
**Stored in database as:**
**Defaults / missing values:**
**Edit checks:**
**Valid values:**

**P318: PERCOMP: Person complete flag**

The list of fields in the current person file shows that the original database has a field named "PERSON_COMPLETE_FLAG" that is a 1-column character field.
(I do not know how this field is used.)

**In original database:** yes **In sanitized database:** no
**Format:**
**Data entry screen prior to entry:**
**How entered:**
**Typical examples:** ..
**Stored in database as:**
**Defaults / missing values:**
**Edit checks:**
**Valid values:**

# APPENDIX A: CITY CODES

| CODE | CITY |
|---|---|
| 0005 | ADA |
| 0010 | ADAMS |
| 0015 | ADRIAN |
| 0020 | AFTON |
| 0025 | AITKIN |
| 0030 | AKELEY |
| 0035 | ALBANY |
| 0040 | ALBERTA |
| 0045 | ALBERT LEA |
| 0050 | ALBERTVILLE |
| 0055 | ALDEN |
| 0060 | ALDRICH |
| 0065 | ALEXANDRIA |
| 0070 | ALPHA |
| 0075 | ALTURA |
| 0080 | ALVARADO |
| 0085 | AMBOY |
| 0088 | ANDOVER |
| 0090 | ANNANDALE |
| 0095 | ANOKA |
| 0100 | APPLETON |
| 0102 | APPLE VALLEY |
| 0105 | ARCO |
| 0110 | ARDEN HILLS |
| 0115 | ARGYLE |
| 0120 | ARLINGTON |
| 0125 | ASHBY |
| 0130 | ASKOV |
| 0135 | ATWATER |
| 0140 | AUDUBON |
| 0145 | AURORA |
| 0150 | AUSTIN |
| 0155 | AVOCA |
| 0160 | AVON |
| 0165 | BABBITT |
| 0170 | BACKUS |
| 0175 | BADGER |
| 0180 | BAGLEY |
| 0185 | BALATON |
| 0195 | BARNESVILLE |
| 0200 | BARNUM |
| 0205 | BARRETT |
| 0210 | BARRY |
| 0215 | BATTLE LAKE |
| 0220 | BAUDETTE |
| 0225 | BAXTER |
| 0230 | BAYPORT |
| 0235 | BEARDSLEY |
| 0240 | BEAVER BAY |
| 0245 | BEAVER CREEK |
| 0250 | BECKER |
| 0255 | BEJOU |
| 0260 | BELGRADE |
| 0265 | BELLECHESTER |
| 0270 | BELLE PLAINE |
| 0275 | BELLINGHAM |
| 0280 | BELTRAMI |
| 0285 | BELVIEW |
| 0290 | BEMIDJI |
| 0295 | BENA |
| 0300 | BENSON |
| 0310 | BERTHA |
| 0315 | BETHEL |
| 0320 | BIGELOW |
| 0325 | BIG FALLS |
| 0330 | BIGFORK |
| 0335 | BIG LAKE |
| 0340 | BINGHAM LAKE |
| 0345 | BIRCHWOOD VILLAGE |
| 0350 | BIRD ISLAND |
| 0355 | BISCAY |
| 0360 | BIWABIK |
| 0365 | BLACKDUCK |
| 0370 | BLAINE |
| 0375 | BLOMKEST |
| 0380 | BLOOMING PRAIRIE |
| 0385 | BLOOMINGTON |
| 0390 | BLUE EARTH |
| 0395 | BLUFFTON |
| 0400 | BOCK |
| 0405 | BORUP |
| 0410 | BOVEY |
| 0415 | BOWLUS |
| 0420 | BOYD |
| 0425 | BOY RIVER |
| 0430 | BRAHAM |
| 0435 | BRAINERD |
| 0440 | BRANDON |
| 0445 | BRECKENRIDGE |
| 0447 | BREEZY POINT |
| 0450 | BREWSTER |
| 0455 | BRICELYN |
| 0460 | BROOKLYN CENTER |
| 0465 | BROOKLYN PARK |
| 0470 | BROOK PARK |
| 0475 | BROOKS |
| 0480 | BROOKSTON |
| 0485 | BROOTEN |
| 0490 | BROWERVILLE |
| 0495 | BROWNSDALE |
| 0500 | BROWNS VALLEY |
| 0505 | BROWNSVILLE |
| 0510 | BROWNTON |
| 0515 | BRUNO |
| 0520 | BUCKMAN |
| 0525 | BUFFALO |
| 0530 | BUFFALO LAKE |
| 0535 | BUHL |
| 0537 | BURNSVILLE |
| 0540 | BURTRUM |
| 0545 | BUTTERFIELD |
| 0550 | BYRON |
| 0555 | CALEDONIA |
| 0560 | CALLAWAY |
| 0565 | CALUMET |
| 0570 | CAMBRIDGE |
| 0575 | CAMPBELL |
| 0580 | CANBY |
| 0585 | CANNON FALLS |
| 0590 | CANTON |
| 0595 | CARLOS |
| 0600 | CARLTON |
| 0601 | CARVER |
| 0605 | CASS LAKE |
| 0610 | CEDAR MILLS |
| 0615 | CENTER CITY |
| 0620 | CENTERVILLE |
| 0625 | CEYLON |
| 0630 | CHAMPLIN |
| 0635 | CHANDLER |
| 0640 | CHANHASSEN |
| 0645 | CHASKA |
| 0650 | CHATFIELD |
| 0655 | CHICKAMAW BEACH |
| 0660 | CHISAGO CITY |
| 0665 | CHISHOLM |
| 0670 | CHOKIO |
| 0675 | CIRCLE PINES |
| 0680 | CLARA CITY |
| 0685 | CLAREMONT |
| 0690 | CLARISSA |
| 0695 | CLARKFIELD |
| 0700 | CLARKS GROVE |
| 0705 | CLEARBROOK |
| 0710 | CLEAR LAKE |
| 0715 | CLEARWATER |
| 0720 | CLEMENTS |
| 0725 | CLEVELAND |
| 0730 | CLIMAX |
| 0735 | CLINTON |
| 0740 | CLITHERALL |
| 0745 | CLONTARF |
| 0750 | CLOQUET |
| 0755 | COATES |
| 0760 | COBDEN |
| 0765 | COHASSET |
| 0770 | COKATO |
| 0775 | COLD SPRING |
| 0780 | COLERAINE |
| 0785 | COLOGNE |
| 0790 | COLUMBIA HEIGHTS |
| 0795 | COMFREY |
| 0800 | COMSTOCK |
| 0805 | CONGER |
| 0810 | COOK |
| 0820 | COON RAPIDS |
| 0825 | CORCORAN |
| 0830 | CORRELL |
| 0835 | COSMOS |
| 0837 | COTTAGE GROVE |
| 0840 | COTTONWOOD |
| 0845 | COURTLAND |
| 0850 | CROMWELL |
| 0855 | CROOKSTON |
| 0860 | CROSBY |
| 0865 | CROSS LAKE |
| 0870 | CRYSTAL |
| 0875 | CURRIE |
| 0880 | CUYUNA |
| 0885 | CYRUS |
| 0890 | DAKOTA |
| 0895 | DALTON |
| 0900 | DANUBE |
| 0905 | DANVERS |
| 0910 | DARFUR |
| 0915 | DARWIN |
| 0920 | DASSEL |
| 0925 | DAWSON |
| 0930 | DAYTON |
| 0930 | DAYTON |
| 0935 | DEEPHAVEN |
| 0940 | DEER CREEK |
| 0945 | DEER RIVER |
| 0950 | DEERWOOD |
| 0955 | DE GRAFF |
| 0960 | DELANO |
| 0965 | DELAVAN |
| 0970 | DELHI |
| 0975 | DELLWOOD |
| 0980 | DENHAM |
| 0985 | DENNISON |
| 0990 | DENT |
| 0995 | DETROIT LAKES |
| 1000 | DEXTER |
| 1005 | DILWORTH |
| 1010 | DODGE CENTER |
| 1015 | DONALDSON |
| 1020 | DONNELLY |
| 1025 | DORAN |
| 1030 | DOVER |
| 1035 | DOVRAY |
| 1040 | DULUTH |
| 1045 | DUMONT |
| 1050 | DUNDAS |
| 1055 | DUNDEE |
| 1060 | DUNNELL |
| 1063 | EAGAN |
| 1065 | EAGLE BEND |
| 1070 | EAGLE LAKE |
| 1072 | EAST BETHEL |
| 1075 | EAST GRAND FORKS |
| 1080 | EAST GULL LAKE |
| 1085 | EASTON |
| 1090 | ECHO |
| 1094 | EDEN PRAIRIE |
| 1095 | EDEN VALLEY |
| 1100 | EDGERTON |
| 1105 | EDINA |
| 1110 | EFFIE |
| 1115 | EITZEN |
| 1120 | ELBA |
| 1125 | ELBOW LAKE |
| 1130 | ELGIN |
| 1135 | ELIZABETH |
| 1140 | ELKO |
| 1145 | ELK RIVER |
| 1150 | ELKTON |
| 1155 | ELLENDALE |
| 1160 | ELLSWORTH |
| 1165 | ELMDALE |
| 1170 | ELMORE |
| 1175 | ELROSA |
| 1180 | ELY |
| 1185 | ELYSIAN |
| 1190 | EMILY |
| 1195 | EMMONS |
| 1200 | ERHARD |
| 1205 | ERSKINE |
| 1210 | EVAN |
| 1215 | EVANSVILLE |
| 1216 | EVAN |
| 1220 | EVELETH |
| 1225 | EXCELSIOR |
| 1230 | EYOTA |
| 1235 | FAIRFAX |
| 1240 | FAIRMONT |
| 1245 | FALCON HEIGHTS |
| 1250 | FARIBAULT |
| 1255 | FARMINGTON |
| 1260 | FARWELL |
| 1265 | FEDERAL DAM |
| 1270 | FELTON |
| 1275 | FERGUS FALLS |
| 1280 | FERTILE |
| 1285 | FIFTY LAKES |
| 1290 | FINLAYSON |
| 1295 | FISHER |
| 1300 | FLENSBURG |
| 1305 | FLOODWOOD |
| 1310 | FLORENCE |
| 1315 | FOLEY |
| 1320 | FORADA |
| 1325 | FOREST LAKE |
| 1330 | FORESTON |
| 1335 | FORT RIPLEY |
| 1340 | FOSSTON |
| 1345 | FOUNTAIN |
| 1350 | FOXHOME |
| 1355 | FRANKLIN (RENVILLE COUNTY) |
| 1360 | FRANKLIN (ST. LOUIS COUNTY) |
| 1370 | FRAZEE |
| 1375 | FREEBORN |
| 1380 | FREEPORT |
| 1385 | FRIDLEY |
| 1390 | FROST |
| 1395 | FULDA |
| 1400 | FUNKLEY |
| 1405 | GARFIELD |
| 1410 | GARRISON |
| 1415 | GARVIN |
| 1420 | GARY |
| 1425 | GAYLORD |
| 1430 | GEM LAKE |
| 1435 | GENEVA |
| 1440 | GENOLA |
| 1445 | GEORGETOWN |
| 1450 | GHENT |
| 1455 | GIBBON |
| 1460 | GILBERT |
| 1465 | GILMAN |
| 1470 | GLENCOE |
| 1475 | GLENVILLE |
| 1480 | GLENWOOD |
| 1485 | GLYNDON |
| 1495 | GOLDEN VALLEY |
| 1500 | GONVICK |
| 1505 | GOODHUE |
| 1510 | GOODRIDGE |
| 1515 | GOOD THUNDER |
| 1520 | GOODVIEW |
| 1525 | GRACEVILLE |
| 1530 | GRANADA |
| 1535 | GRAND MARAIS |
| 1540 | GRAND MEADOW |
| 1545 | GRAND RAPIDS |
| 1550 | GRANITE FALLS |
| 1553 | GRANT |
| 1555 | GRASSTON |
| 1560 | GREENBUSH |
| 1565 | GREENFIELD |
| 1570 | GREEN ISLE |
| 1575 | GREENWALD |
| 1580 | GREENWOOD |
| 1585 | GREY EAGLE |
| 1590 | GROVE CITY |
| 1595 | GRYGLA |
| 1600 | GULLY |
| 1605 | HACKENSACK |
| 1610 | HADLEY |
| 1615 | HALLOCK |
| 1620 | HALMA |
| 1625 | HALSTAD |
| 1630 | HAMBURG |
| 1633 | HAM LAKE |
| 1635 | HAMMOND |
| 1640 | HAMPTON |
| 1645 | HANCOCK |
| 1650 | HANLEY FALLS |
| 1655 | HANOVER |

| | |
|---|---|
| 1660 | HANSKA |
| 1665 | HARDING |
| 1670 | HARDWICK |
| 1675 | HARMONY |
| 1680 | HARRIS |
| 1685 | HARTLAND |
| 1686 | HASTINGS |
| 1690 | HATFIELD |
| 1695 | HAWLEY |
| 1700 | HAYFIELD |
| 1705 | HAYWARD |
| 1710 | HAZEL RUN |
| 1715 | HECTOR |
| 1720 | HEIDELBERG |
| 1725 | HENDERSON |
| 1730 | HENDRICKS |
| 1735 | HENDRUM |
| 1740 | HENNING |
| 1745 | HENRIETTE |
| 1750 | HERMAN |
| 1752 | HERMANTOWN |
| 1755 | HERON LAKE |
| 1760 | HEWITT |
| 1765 | HIBBING |
| 1770 | HILL CITY |
| 1775 | HILLMAN |
| 1780 | HILLS |
| 1785 | HILLTOP |
| 1790 | HINCKLEY |
| 1795 | HITTERDAL |
| 1800 | HOFFMAN |
| 1805 | HOKAH |
| 1810 | HOLDINGFORD |
| 1818 | HOLLAND |
| 1820 | HOLLANDALE |
| 1825 | HOLLOWAY |
| 1830 | HOLT |
| 1835 | HOPKINS |
| 1840 | HOUSTON |
| 1845 | HOWARD LAKE |
| 1850 | HOYT LAKES |
| 1855 | HUGO |
| 1860 | HUMBOLDT |
| 1865 | HUTCHINSON |
| 1870 | IHLEN |
| 1875 | INDEPENDENCE |
| 1880 | INTERNATIONAL FALLS |
| 1886 | INVER GROVE HEIGHTS |
| 1890 | IONA |
| 1895 | IRON JUNCTION |
| 1900 | IRONTON |
| 1905 | ISANTI |
| 1915 | ISLAND VIEW |
| 1920 | ISLE |
| 1925 | IVANHOE |
| 1930 | JACKSON |
| 1935 | JANESVILLE |
| 1940 | JASPER |
| 1945 | JEFFERS |
| 1950 | JENKINS |
| 1955 | JOHNSON |
| 1960 | JORDAN |
| 1965 | KANDIYOHI |
| 1970 | KARLSTAD |
| 1975 | KASOTA |
| 1980 | KASSON |
| 1985 | KEEWATIN |
| 1990 | KELLIHER |
| 1995 | KELLOGG |
| 2005 | KENNEDY |
| 2010 | KENNETH |
| 2015 | KENSINGTON |
| 2020 | KENT |
| 2025 | KENYON |
| 2030 | KERKHOVEN |
| 2035 | KERRICK |
| 2040 | KETTLE RIVER |
| 2045 | KIESTER |
| 2050 | KILKENNY |
| 2055 | KIMBALL |
| 2060 | KINBRAE |
| 2063 | KINGSTON |
| 2065 | KINNEY |
| 2070 | LA CRESCENT |
| 2075 | LAFAYETTE |
| 2085 | LAKE BENTON |
| 2090 | LAKE BRONSON |
| 2091 | LAKE CITY |
| 2095 | LAKE CRYSTAL |
| 2100 | LAKE ELMO |
| 2105 | LAKEFIELD |
| 2115 | LAKE HENRY |
| 2120 | LAKELAND |
| 2125 | LAKELAND SHORES |
| 2130 | LAKE LILLIAN |
| 2135 | LAKE PARK |
| 2138 | LAKE ST CROIX BEACH |
| 2140 | LAKE SHORE |
| 2150 | LAKEVILLE |
| 2155 | LAKE WILSON |
| 2160 | LAMBERTON |
| 2165 | LANCASTER |
| 2170 | LANDFALL |
| 2175 | LANESBORO |
| 2180 | LAPORTE |
| 2185 | LA PRAIRIE |
| 2190 | LA SALLE |
| 2195 | LASTRUP |
| 2200 | LAUDERDALE |
| 2205 | LE CENTER |
| 2210 | LENGBY |
| 2215 | LEONARD |
| 2220 | LEONIDAS |
| 2225 | LE ROY |
| 2230 | LESTER PRAIRIE |
| 2235 | LE SUEUR |
| 2240 | LEWISTON |
| 2245 | LEWISVILLE |
| 2250 | LEXINGTON |
| 2255 | LILYDALE |
| 2260 | LINDSTROM |
| 2265 | LINO LAKES |
| 2270 | LISMORE |
| 2275 | LITCHFIELD |
| 2280 | LITTLE CANADA |
| 2285 | LITTLE FALLS |
| 2290 | LITTLE FORK |
| 2295 | LONG BEACH |
| 2300 | LONG LAKE |
| 2305 | LONG PRAIRIE |
| 2310 | LONGVILLE |
| 2315 | LONSDALE |
| 2320 | LORETTO |
| 2325 | LOUISBURG |
| 2330 | LOWRY |
| 2335 | LUCAN |
| 2340 | LUVERNE |
| 2345 | LYLE |
| 2350 | LYND |
| 2353 | MABEL |
| 2355 | MC GRATH |
| 2360 | MC GREGOR |
| 2365 | MC INTOSH |
| 2370 | MC KINLEY |
| 2380 | MADELIA |
| 2385 | MADISON |
| 2390 | MADISON LAKE |
| 2395 | MAGNOLIA |
| 2400 | MAHNOMEN |
| 2405 | MAHTOMEDI |
| 2410 | MANCHESTER |
| 2415 | MANHATTAN BEACH |
| 2420 | MANKATO |
| 2425 | MANTORVILLE |
| 2430 | MAPLE GROVE |
| 2435 | MAPLE LAKE |
| 2440 | MAPLE PLAIN |
| 2445 | MAPLETON |
| 2450 | MAPLEVIEW |
| 2455 | MAPLEWOOD |
| 2460 | MARBLE |
| 2465 | MARIETTA |
| 2470 | MARINE ON ST CROIX |
| 2475 | MARSHALL |
| 2480 | MAYER |
| 2485 | MAYNARD |
| 2490 | MAZEPPA |
| 2495 | MEADOWLANDS |
| 2500 | MEDFORD |
| 2505 | MEDICINE LAKE |
| 2510 | MEDINA |
| 2515 | MEIRE GROVE |
| 2520 | MELROSE |
| 2525 | MENAHGA |
| 2532 | MENDOTA |
| 2535 | MENDOTA HEIGHTS |
| 2540 | MENTOR |
| 2545 | MIDDLE RIVER |
| 2550 | MIESVILLE |
| 2555 | MILACA |
| 2560 | MILAN |
| 2565 | MILLERVILLE |
| 2570 | MILLVILLE |
| 2575 | MILROY |
| 2580 | MILTONA |
| 2585 | MINNEAPOLIS |
| 2590 | MINNEISKA |
| 2595 | MINNEOTA |
| 2600 | MINNESOTA CITY |
| 2605 | MINNESOTA LAKE |
| 2610 | MINNETONKA |
| 2612 | MINNETONKA BEACH |
| 2617 | MINNETRISTA |
| 2620 | MIZPAH |
| 2625 | MONTEVIDEO |
| 2630 | MONTGOMERY |
| 2635 | MONTICELLO |
| 2640 | MONTROSE |
| 2645 | MOORHEAD |
| 2650 | MOOSE LAKE |
| 2655 | MORA |
| 2660 | MORGAN |
| 2670 | MORRIS |
| 2675 | MORRISTOWN |
| 2680 | MORTON |
| 2685 | MOTLEY |
| 2690 | MOUND |
| 2695 | MOUNDS VIEW |
| 2700 | MOUNTAIN IRON |
| 2705 | MOUNTAIN LAKE |
| 2710 | MURDOCK |
| 2715 | MYRTLE |
| 2720 | NASHUA |
| 2725 | NASHWAUK |
| 2730 | NASSAU |
| 2735 | NELSON |
| 2740 | NERSTRAND |
| 2745 | NEVIS |
| 2750 | NEW AUBURN |
| 2755 | NEW BRIGHTON |
| 2760 | NEWFOLDEN |
| 2765 | NEW GERMANY |
| 2770 | NEW HOPE |
| 2775 | NEW LONDON |
| 2780 | NEW MARKET |
| 2785 | NEW MUNICH |
| 2790 | NEWPORT |
| 2795 | NEW PRAGUE |
| 2800 | NEW RICHLAND |
| 2805 | NEW TRIER |
| 2810 | NEW ULM |
| 2815 | NEW YORK MILLS |
| 2820 | NICOLLET |
| 2825 | NIELSVILLE |
| 2830 | NIMROD |
| 2835 | NISSWA |
| 2840 | NORCROSS |
| 2845 | NORTH BRANCH |
| 2850 | NORTHFIELD |
| 2855 | NORTH MANKATO |
| 2860 | NORTH OAKS |
| 2865 | NORTHOME |
| 2875 | NORTHROP |
| 2880 | NORTH ST PAUL |
| 2885 | NORWOOD YOUNG AMERICA |
| 2888 | OAKDALE |
| 2889 | OAK GROVE |
| 2890 | OAK PARK HEIGHTS |
| 2895 | ODESSA |
| 2900 | ODIN |
| 2905 | OGEMA |
| 2910 | OGILVIE |
| 2915 | OKABENA |
| 2920 | OKLEE |
| 2925 | OLIVIA |
| 2930 | ONAMIA |
| 2935 | ORMSBY |
| 2940 | ORONO |
| 2942 | ORONOCO |
| 2945 | ORR |
| 2950 | ORTONVILLE |
| 2955 | OSAKIS |
| 2955 | OSAKIS |
| 2960 | OSLO |
| 2965 | OSSEO |
| 2970 | OSTRANDER |
| 2972 | OTSEGO |
| 2975 | OTTERTAIL |
| 2980 | OWATONNA |
| 2985 | PALISADE |
| 2990 | PARKERS PRAIRIE |
| 2995 | PARK RAPIDS |
| 3000 | PAYNESVILLE |
| 3005 | PEASE |
| 3015 | PELICAN RAPIDS |
| 3020 | PEMBERTON |
| 3025 | PENNOCK |
| 3030 | PEQUOT LAKES |
| 3035 | PERHAM |
| 3040 | PERLEY |
| 3045 | PETERSON |
| 3050 | PIERZ |
| 3055 | PILLAGER |
| 3060 | PINE CITY |
| 3065 | PINE ISLAND |
| 3070 | PINE RIVER |
| 3075 | PINE SPRINGS |
| 3080 | PIPESTONE |
| 3085 | PLAINVIEW |
| 3090 | PLATO |
| 3095 | PLEASANT LAKE |
| 3100 | PLUMMER |
| 3105 | PLYMOUTH |
| 3110 | PORTER |
| 3115 | PRESTON |
| 3120 | PRINCETON |
| 3125 | PRINSBURG |
| 3130 | PRIOR LAKE |
| 3135 | PROCTOR |
| 3140 | QUAMBA |
| 3145 | RACINE |
| 3148 | RAMSEY |
| 3150 | RANDALL |
| 3155 | RANDOLPH |
| 3160 | RANIER |
| 3165 | RAYMOND |
| 3170 | RED LAKE FALLS |
| 3175 | RED WING |
| 3180 | REDWOOD FALLS |
| 3185 | REGAL |
| 3190 | REMER |
| 3195 | RENVILLE |
| 3200 | REVERE |
| 3205 | RICE |
| 3210 | RICHFIELD |
| 3215 | RICHMOND |
| 3220 | RICHVILLE |
| 3225 | RIVERTON |
| 3230 | ROBBINSDALE |
| 3235 | ROCHESTER |
| 3237 | ROCK CREEK |
| 3240 | ROCKFORD |
| 3240 | ROCKFORD |
| 3245 | ROCKVILLE |
| 3250 | ROGERS |
| 3255 | ROLLINGSTONE |
| 3260 | RONNEBY |
| 3265 | ROOSEVELT |
| 3270 | ROSCOE |
| 3275 | ROSEAU |
| 3280 | ROSE CREEK |
| 3285 | ROSEMOUNT |
| 3290 | ROSEVILLE |
| 3295 | ROTHSAY |
| 3300 | ROUND LAKE |
| 3305 | ROYALTON |
| 3310 | RUSH CITY |
| 3315 | RUSHFORD CITY |
| 3320 | RUSHFORD VILLAGE |
| 3325 | RUSHMORE |
| 3330 | RUSSELL |
| 3335 | RUTHTON |
| 3340 | RUTLEDGE |
| 3345 | SABIN |
| 3350 | SACRED HEART |
| 3360 | ST ANTHONY (HENNEPIN COUNTY) |
| 3362 | ST ANTHONY (STEARNS COUNTY) |
| 3365 | ST BONIFACIUS |
| 3370 | ST CHARLES |
| 3375 | ST CLAIR |
| 3380 | ST CLOUD |
| 3380 | ST CLOUD |
| 3382 | ST FRANCIS |
| 3385 | ST HILAIRE |
| 3390 | ST JAMES |
| 3395 | ST JOSEPH |
| 3400 | ST LEO |
| 3405 | ST LOUIS PARK |
| 3410 | ST MARTIN |
| 3415 | ST MARYS POINT |
| 3420 | ST MICHAEL |
| 3425 | ST PAUL |
| 3430 | ST PAUL PARK |
| 3435 | ST PETER |
| 3440 | ST ROSA |
| 3445 | ST STEPHEN |
| 3450 | ST VINCENT |
| 3455 | SANBORN |
| 3460 | SANDSTONE |
| 3465 | SARGEANT |

| | |
|---|---|
| 3470 | SARTELL |
| 3470 | SARTELL |
| 3475 | SAUK CENTRE |
| 3480 | SAUK RAPIDS |
| 3485 | SAVAGE |
| 3490 | SCANLON |
| 3495 | SEAFORTH |
| 3500 | SEBEKA |
| 3505 | SEDAN |
| 3510 | SHAFER |
| 3515 | SHAKOPEE |
| 3520 | SHELLY |
| 3525 | SHERBURN |
| 3530 | SHEVLIN |
| 3535 | SHOREVIEW |
| 3540 | SHOREWOOD |
| 3545 | SILVER BAY |
| 3550 | SILVER LAKE |
| 3555 | SKYLINE |
| 3560 | SLAYTON |
| 3565 | SLEEPY EYE |
| 3570 | SOBIESKI |
| 3575 | SOLWAY |
| 3585 | SOUTH HAVEN |
| 3595 | SOUTH ST PAUL |
| 3600 | SPICER |
| 3605 | SPRINGFIELD |
| 3610 | SPRING GROVE |
| 3615 | SPRING HILL |
| 3620 | SPRING LAKE PARK |
| 3625 | SPRING PARK |
| 3630 | SPRING VALLEY |
| 3635 | SQUAW LAKE |
| 3640 | STACY |
| 3645 | STAPLES |
| 3650 | STARBUCK |
| 3655 | STEEN |
| 3660 | STEPHEN |
| 3665 | STEWART |
| 3670 | STEWARTVILLE |
| 3675 | STILLWATER |
| 3685 | STOCKTON |
| 3690 | STORDEN |
| 3695 | STRANDQUIST |
| 3700 | STRATHCONA |
| 3705 | STURGEON LAKE |
| 3710 | SUNBURG |
| 3715 | SUNFISH LAKE |
| 3720 | SWANVILLE |
| 3725 | TACONITE |
| 3730 | TAMARACK |
| 3735 | TAOPI |
| 3740 | TAUNTON |
| 3745 | TAYLORS FALLS |
| 3750 | TENNEY |
| 3755 | TENSTRIKE |
| 3760 | THIEF RIVER FALLS |
| 3765 | THOMSON |
| 3770 | TINTAH |
| 3775 | TONKA BAY |
| 3780 | TOWER |
| 3785 | TRACY |
| 3790 | TRAIL |
| 3795 | TRIMONT |
| 3800 | TROMMALD |
| 3805 | TROSKY |
| 3810 | TRUMAN |
| 3815 | TURTLE RIVER |
| 3820 | TWIN LAKES |
| 3825 | TWIN VALLEY |
| 3830 | TWO HARBORS |
| 3835 | TYLER |
| 3840 | ULEN |
| 3845 | UNDERWOOD |
| 3850 | UPSALA |
| 3855 | URBANK |
| 3860 | UTICA |
| 3865 | VADNAIS HEIGHTS |
| 3870 | VERGAS |
| 3875 | VERMILLION |
| 3880 | VERNDALE |
| 3885 | VERNON CENTER |
| 3890 | VESTA |
| 3895 | VICTORIA |
| 3900 | VIKING |
| 3905 | VILLARD |
| 3910 | VINING |
| 3915 | VIRGINIA |
| 3920 | WABASHA |
| 3925 | WABASSO |
| 3930 | WACONIA |
| 3935 | WADENA |
| 3940 | WAHKON |
| 3945 | WAITE PARK |
| 3950 | WALDORF |
| 3955 | WALKER |
| 3960 | WALNUT GROVE |
| 3965 | WALTERS |
| 3970 | WALTHAM |
| 3975 | WANAMINGO |
| 3980 | WANDA |
| 3985 | WARBA |
| 3990 | WARREN |
| 3995 | WARROAD |
| 4000 | WASECA |
| 4005 | WATERTOWN |
| 4010 | WATERVILLE |
| 4015 | WATKINS |
| 4020 | WATSON |
| 4025 | WAUBUN |
| 4030 | WAVERLY |
| 4035 | WAYZATA |
| 4040 | WELCOME |
| 4045 | WELLS |
| 4050 | WENDELL |
| 4055 | WESTBROOK |
| 4060 | WEST CONCORD |
| 4065 | WESTPORT |
| 4070 | WEST ST PAUL |
| 4075 | WEST UNION |
| 4080 | WHALAN |
| 4085 | WHEATON |
| 4090 | WHITE BEAR LAKE |
| 4095 | WILDER |
| 4100 | WILLERNIE |
| 4105 | WILLIAMS |
| 4110 | WILLMAR |
| 4115 | WILLOW RIVER |
| 4120 | WILMONT |
| 4125 | WILTON |
| 4130 | WINDOM |
| 4135 | WINGER |
| 4140 | WINNEBAGO |
| 4145 | WINONA |
| 4150 | WINSTED |
| 4155 | WINTHROP |
| 4160 | WINTON |
| 4165 | WOLF LAKE |
| 4170 | WOLVERTON |
| 4173 | WOODBURY |
| 4175 | WOOD LAKE |
| 4180 | WOODLAND |
| 4185 | WOODSTOCK |
| 4190 | WORTHINGTON |
| 4195 | WRENSHALL |
| 4200 | WRIGHT |
| 4205 | WYKOFF |
| 4210 | WYOMING |
| 4220 | ZEMPLE |
| 4222 | ZIMMERMAN |
| 4225 | ZUMBRO FALLS |
| 4230 | ZUMBROTA |

# APPENDIX B: TOWNSHIP CODES

**COUNTY (CODE)**
**CODE TOWNSHIP**

**AITKIN COUNTY (1)**
001 AITKIN
002 BALL BLUFF
003 BALSAM
004 BEAVER
005 CLARK
006 CORNISH
007 FARM ISLAND
008 FLEMING
009 GLEN
010 HAUGEN
011 HAZELTON
012 HILL LAKE
013 IDUN
014 JEVNE
015 KIMBERLY
016 LAKESIDE
017 LEE
018 LIBBY
019 LOGAN
020 MC GREGOR
021 MACVILLE
022 MALMO
023 MORRISON
024 NORDLAND
025 PLINY
026 RICE RIVER
027 SALO
028 SEAVEY
029 SHAMROCK
030 SPALDING
031 SPENCER
032 TURNER
033 VERDON
034 WAGNER
035 WAUKENABO
036 WEALTHWOOD
037 WHITE PINE
038 WILLIAMS
039 WORKMAN
040 T-44 R-22
041 MILLWARD
042 T-45 R-24
043 T-47 R-24
044 T-48 R-27
045 T-49 R-27
046 T-50 R-27
047 T-51 R-27
048 T-52 R-27
049 T-52 R-25
050 T-52 R-24
051 T-51 R-25
052 T-50 R-25
053 T-50 R-26
054 T-52 R-22
055 T-51 R-22

**ANOKA COUNTY (2)**
002 BURNS
003 COLUMBUS
006 LINWOOD

**BECKER COUNTY (3)**
001 ATLANTA
002 AUDUBON
003 BURLINGTON
004 CALLAWAY
005 CARSONVILLE
006 CORMORANT
007 CUBA
008 DETROIT
009 ERIE
010 EVERGREEN
012 GREEN VALLEY
013 HAMDEN
014 HEIGHT OF LAND
015 HOLMESVILLE
016 LAKE EUNICE
017 LAKE PARK
018 LAKE VIEW
019 MAPLE GROVE
020 OSAGE
021 PINE POINT
022 RICEVILLE
023 RICHWOOD
024 ROUND LAKE
025 RUNEBERG
026 SAVANNAH
027 SHELL LAKE
028 SILVER LEAF
029 SPRING CREEK
030 SPRUCE GROVE
031 SUGAR BUSH
032 TOAD LAKE
033 TWO INLETS
034 WALWORTH
035 WHITE EARTH
036 WOLF LAKE
037 FOREST
038 EAGLE VIEW

**BELTRAMI COUNTY (4)**
001 ALASKA
002 BATTLE
003 BEMIDJI
004 BENVILLE
005 BIRCH
006 BUZZLE
007 CORMANT
008 DURAND
009 ECKLES
010 FROHN
011 GRANT VALLEY
012 HAGALI
013 HAMRE
014 HINES
015 HORNET
016 JONES
017 KELLIHER
018 LAMMERS
019 LANGOR
020 LEE
021 LIBERTY
022 MAPLE RIDGE
023 MINNIE
024 MOOSE LAKE
025 NEBISH
026 NORTHERN
027 OBRIEN
028 PORT HOPE
029 QUIRING
030 ROOSEVELT
031 SHOOKS
032 SHOTLEY
033 SPRUCE GROVE
034 STEENERSON
035 SUGAR BUSH
036 SUMMIT
037 TEN LAKE
038 TURTLE LAKE
039 TURTLE RIVER
040 WOODROW
043 WASKISH
044 T-146 R-30
045 TAYLOR
046 T-158 R-38
047 T-158 R-37
048 T-158 R-36
049 T-157 R-38
050 T-157 R-37
051 T-157 R-36
052 T-156 R-35
053 T-156 R-34
054 T-156 R-33
055 T-156 R-32
056 T-156 R-31
057 T-156 R-30
058 T-155 R-35
059 T-155 R-34
060 T-155 R-33
061 T-155 R-32
062 T-155 R-31
063 T-154 R-38
064 T-154 R-37
065 T-154 R-36
066 T-154 R-35
067 T-154 R-34
068 T-154 R-33
070 T-153 R-38
071 T-153 R-37
072 T-153 R-36
073 T-153 R-35
074 T-153 R-34
075 T-153 R-33
076 T-153 R-32
077 T-153 R-30
078 T-151 R-32
079 T-152 R-32
080 T-152 R-33
081 T-152 R-34
083 T-151 R-33
084 T-151 R-34
085 T-151 R-35
086 T-150 R-35
087 T-150 R-34
088 T-150 R-33

**BENTON COUNTY (5)**
001 ALBERTA
002 GILMANTON
003 GLENDORADO
004 GRAHAM
005 GRANITE LEDGE
006 LANGOLA
007 MAYHEW LAKE
008 MAYWOOD
009 MINDEN
010 ST GEORGE
011 SAUK RAPIDS
012 WATAB

**BIG STONE COUNTY (6)**
001 AKRON
002 ALMOND
003 ARTICHOKE
004 BIG STONE
005 BROWNS VALLEY
006 FOSTER
007 GRACEVILLE
008 MALTA
009 MOONSHINE
010 ODESSA
011 ORTONVILLE
012 OTREY
013 PRIOR
014 TOQUA

**BLUE EARTH COUNTY (7)**
001 BEAUFORD
002 BUTTERNUT VALLEY
003 CAMBRIA
004 CERESCO
005 DANVILLE
006 DECORIA
007 GARDEN CITY
008 JAMESTOWN
009 JUDSON
010 LE RAY
011 LIME
012 LINCOLN
013 LYRA
014 MC PHERSON
015 MANKATO
016 MAPLETON
017 MEDO
018 PLEASANT MOUND
019 RAPIDAN
020 SHELBY
021 SOUTH BEND
022 STERLING
023 VERNON CENTER

**BROWN COUNTY (8)**
001 ALBIN
002 BASHAW
003 BURNSTOWN
004 COTTONWOOD
005 EDEN
006 HOME
007 LAKE HANSKA
008 LEAVENWORTH
009 LINDEN
010 MILFORD
011 MULLIGAN
012 NORTH STAR
013 PRAIRIEVILLE
014 SIGEL
015 STARK
016 STATELY

**CARLTON COUNTY (9)**
001 ATKINSON
002 AUTOMBA
003 BARNUM
004 BESEMAN
005 BLACKHOOF
006 HOLYOKE
007 KALEVALA
009 LAKEVIEW
010 MAHTOWA
011 MOOSE LAKE
012 SILVER
013 SILVER BROOK
014 SKELTON
015 SPLIT ROCK
016 THOMSON
017 TWIN LAKES
018 WRENSHALL
026 T-46 R-17
027 T-49 R-20
028 T-49 R-19
029 PERCH LAKE
030 T-48 R-20
031 T-48 R-19
032 T-48 R-18

**CARVER COUNTY (10)**
001 BENTON
002 CAMDEN
004 CHASKA
005 DAHLGREN
006 HANCOCK
007 HOLLYWOOD
008 LAKETOWN
009 SAN FRANCISCO
010 WACONIA
011 WATERTOWN
012 YOUNG AMERICA

**CASS COUNTY (11)**
001 ANSEL
002 BARCLAY
003 BECKER
004 BEULAH
005 BIRCH LAKE
006 BLIND LAKE
007 BOY LAKE
008 BOY RIVER
009 BULL MOOSE
010 BUNGO
011 BYRON
012 CROOKED LAKE
013 DEERFIELD
014 FAIRVIEW
015 GOULD
016 HIRAM
017 HOME BROOK
018 KEGO
019 LEECH LAKE
020 LIMA
021 LOON LAKE
022 MCKINLEY
023 MAPLE
024 MAY
025 MEADOW BROOK
026 MOOSE LAKE
027 PIKE BAY
028 PINE LAKE
029 PINE RIVER
030 PONTO LAKE
031 POPLAR
032 POWERS
033 REMER
034 ROGERS
035 SALEM
036 SHINGOBEE
037 SLATER
038 SMOKY HOLLOW
039 SYLVAN
040 THUNDER LAKE
041 TORREY
042 TRELIPE
043 TURTLE LAKE
044 WABEDO
045 WAHNENA
046 WALDEN

047 WILKINSON
048 WILSON
049 WOODROW
050 T-143 R-30
051 PENINSULA
054 T-144 R-28
055 T-144 R-27
056 T-144 R-26
057 T-145 R 30
058 T-145 R-29
059 T-145 R-28
060 T-145 R-27
062 T-146 R-29
064 T-146 R-27
066 T-142 R-25
067 INGUADONA
068 EAST GULL LAKE

**CHIPPEWA COUNTY (12)**
001 BIG BEND
002 CRATE
003 GRACE
004 GRANITE FALLS
005 HAVELOCK
006 KRAGERO
007 LEENTHROP
008 LONE TREE
009 LOURISTON
010 MANDT
011 RHEIDERLAND
012 ROSEWOOD
013 SPARTA
014 STONEHAM
015 TUNSBERG
016 WOODS

**CHISAGO COUNTY (13)**
001 AMADOR
002 CHISAGO LAKE
003 FISH LAKE
004 FRANCONIA
005 LENT
006 NESSEL
007 RUSHSEBA
008 SHAFER
009 SUNRISE
010 WYOMING

**CLAY COUNTY (14)**
001 ALLIANCE
002 BARNESVILLE
003 CROMWELL
004 EGLON
005 ELKTON
006 ELMWOOD
007 FELTON
008 FLOWING
009 GEORGETOWN
010 GLYNDON
011 GOOSE PRAIRIE
012 HAGEN
013 HAWLEY
014 HIGHLAND GROVE
015 HOLY CROSS
016 HUMBOLDT
017 KEENE
018 KRAGNES
019 KURTZ
020 MOLAND
021 MOORHEAD
022 MORKEN
023 OAKPORT
024 PARKE
025 RIVERTON
026 SKREE
027 SPRING PRAIRIE
028 TANSEM
029 ULEN
030 VIDING

**CLEARWATER COUNTY (15)**
001 BEAR CREEK
002 CLOVER
003 COPLEY
004 DUDLEY
005 EDDY
006 FALK
007 GREENWOOD
008 HANGAARD
009 HOLST
010 ITASCA
011 LA PRAIRIE
012 LEON
013 MINERVA
014 MOOSE CREEK
015 NORA
016 PINE LAKE
017 POPPLE
018 RICE
019 SHELVIN
020 SINCLAIR
021 WINSOR
022 T-143 R-36
023 T-143 R-37
024 T-152 R-38
025 T-152 R-37
026 T-152 R-36
027 T-151 R-38
028 T-151 R-37
029 T-151 R-36
030 T-150 R-37
031 T-150 R-36

**COOK COUNTY (16)**
001 SCHROEDER
002 TOFTE
003 LUTSEN
008 T-60 R-2
012 T-61 R-2
013 T-61 R-1
014 T-61 R-1E
018 T-62 R-2
019 T-62 R-1
020 T-62 R-1E
021 T-62 R-2E
022 T-62 R-3E
023 T-62 R-4E
024 T-62 R-5E
028 T-63 R-2
029 T-63 R-1
030 T-63 R-1E
031 T-63 R-2E
032 T-63 R-3E
033 T-63 R-4E
034 T-63 R-5E
035 T-63 R-6E
036 T-64 R-5
037 T-64 R-4
038 T-64 R-3
039 T-64 R-2
040 T-64 R-1
041 T-64 R-1E
042 T-64 R-2E
043 T-64 R-3E
044 T-64 R-4E
045 T-64 R-5E
046 T-64 R-6E
047 T-64 R-7E
048 T-65 R-5
049 T-65 R-4
050 T-65 R-3
051 T-65 R-2
052 T-65 R-1
053 T-65 R-1E
054 T-65 R-2E
055 T-65 R-3E
056 T-66 R-5
057 T-66 R-4
058 T-67 R-4
059 T-61 R-2E
060 T-61 R-3E
061 T-58 R-4

**COTTONWOOD COUNTY (17)**
001 AMBOY
002 AMO
003 ANN
004 CARSON
005 DALE
006 DELTON
007 GERMANTOWN
008 GREAT BEND
009 HIGHWATER
010 LAKESIDE
011 MIDWAY
012 MOUNTAIN LAKE
013 ROSE HILL
014 SELMA
015 SOUTHBROOK
016 SPRINGFIELD
017 STORDEN
018 WESTBROOK

**CROW WING COUNTY (18)**
001 BAY LAKE
002 CENTER
003 CROW WING
004 DAGGETT BROOK
005 T-136 R-25
006 DEERWOOD
007 FAIRFIELD
008 FORT RIPLEY
009 GAIL LAKE
010 GARRISON
011 IDEAL
012 IRONDALE
013 JENKINS
014 LAKE EDWARDS
015 LITTE PINE
016 LONG LAKE
017 MAPLE GROVE
018 MISSION
019 NOKAY LAKE
020 OAK LAWN
021 PELICAN
022 PERRY LAKE
023 PLATTE LAKE
024 RABBIT LAKE
025 ROOSEVELT
026 ROSS LAKE
027 ST MATHIAS
028 SIBLEY
029 TIMOTHY
030 WOLFORD
031 T-134 R-29
032 T-134 R-28

**DAKOTA COUNTY (19)**
001 CASTLE ROCK
002 DOUGLAS
004 EMPIRE
005 EUREKA
006 GREENVALE
007 HAMPTON
008 MARSHAN
009 NININGER
010 RANDOLPH
011 RAVENNA
012 SCIOTA
013 VERMILLION
014 WATERFORD

**DODGE COUNTY (20)**
001 ASHLAND
002 CANISTEO
003 CLAREMONT
004 CONCORD
005 ELLINGTON
006 HAYFIELD
007 MANTORVILLE
008 MILTON
009 RIPLEY
010 VERNON
011 WASIOJA
012 WESTFIELD

**DOUGLAS COUNTY (21)**
001 ALEXANDRIA
002 BELLE RIVER
003 BRANDON
004 CARLOS
005 EVANSVILLE
006 HOLMES CITY
007 HUDSON
008 IDA
009 LA GRAND
010 LAKE MARY
011 LEAF VALLEY
012 LUND
013 MILLERVILLE
014 MILTONA
015 MOE
016 ORANGE
017 OSAKIS
018 SOLEM
019 SPRUCE HILL
020 URNESS

**FARIBAULT COUNTY (22)**
001 BARBER
002 BLUE EARTH CITY
003 BRUSH CREEK
004 CLARK
005 DELAVAN
006 DUNBAR
007 ELMORE
008 EMERALD
009 FOSTER
010 JO DAVIESS
011 KIESTER
012 LURA
013 MINNESOTA LAKE
014 PILOT GROVE
015 PRESCOTT
016 ROME
017 SEELY
018 VERONA
019 WALNUT LAKE
020 WINNEBAGO CITY

**FILLMORE COUNTY (23)**
001 AMHERST
002 ARENDAHL
003 BEAVER
004 BLOOMFIELD
005 BRISTOL
006 CANTON
007 CARIMONA
008 CARROLTON
009 CHATFIELD
010 FILLMORE
011 FORESTVILLE
012 HARMONY
013 HOLT
014 JORDAN
015 NEWBURG
016 NORWAY
017 PILOT MOUND
018 PREBLE
019 PRESTON
020 SPRING VALLEY
021 SUMNER
022 YORK
023 FOUNTAIN

**FREEBORN COUNTY (24)**
001 ALBERT LEA
002 ALDEN
003 BANCROFT
004 BATH
005 CARLSTON
006 FREEBORN
007 FREEMAN
008 GENEVA
009 HARTLAND
010 HAYWARD
011 LONDON
012 MANCHESTER
013 MANSFIELD
014 MOSCOW
015 NEWRY
016 NUNDA
017 OAKLAND
018 PICKEREL LAKE
019 RICELAND
020 SHELL ROCK

**GOODHUE COUNTY (25)**
001 BELLE CREEK
002 BELVIDERE
003 CANNON FALLS
004 CHERRY GROVE
005 FEATHERSTONE
006 FLORENCE
007 GOODHUE
008 HAY CREEK
009 HOLDEN
010 KENYON
011 LEON
012 MINNEOLA
013 PINE ISLAND
014 ROSCOE
015 STANTON
016 VASA
017 WANAMINGO
018 WARSAW
019 WELCH
020 ZUMBROTA
021 WACOUTA
022 CENTRAL POINT

**GRANT COUNTY (26)**
001 DELAWARE
002 ELBOW LAKE
003 ELK LAKE
004 ERDAHL
005 GORTON
006 LAND
007 LAWRENCE
008 LIEN
009 LOGAN
010 MACSVILLE
011 NORTH OTTAWA
012 PELICAN LAKE
013 POMME DE TERRE
014 ROSEVILLE
015 SANFORD
016 STONY BROOK

**HENNEPIN COUNTY (27)**
001 HASSAN

**HOUSTON COUNTY (28)**
001 BLACK HAMMER
002 BROWNSVILLE
003 CALEDONIA
004 CROOKED CREEK
005 HOKAH
006 HOUSTON

007 JEFFERSON
008 LA CRESCENT
009 MAYVILLE
010 MONEY CREEK
011 MOUND PRAIRIE
012 SHELDON
013 SPRING GROVE
014 UNION
015 WILMINGTON
016 WINNEBAGO
017 YUCATAN

**HUBBARD COUNTY (29)**

001 AKELEY
002 ARAGO
003 BADOURA
004 CLOVER
005 CROW WING LAKE
006 FARDEN
007 FERN
008 GUTHRIE
009 HART LAKE
010 HELGA
011 HENDRICKSON
012 HENRIETTA
013 HUBBARD
014 LAKE ALICE
015 LAKE GEORGE
016 LAKE HATTIE
017 LAKEPORT
018 MANTRAP
019 NEVIS
020 ROCKWOOD
021 SCHOOLCRAFT
022 STRAIGHT RIVER
023 THORPE
024 TODD
025 WHITE OAK
026 CLAY
027 STEAMBOAT RIVER
033 LAKE EMMA

**ISANTI COUNTY (30)**

001 ATHENS
002 BRADFORD
003 CAMBRIDGE
004 DALBO
005 ISANTI
006 MAPLE RIDGE
007 NORTH BRANCH
008 OXFORD
009 SPENCER BROOK
010 SPRINGVALE
011 STANCHFIELD
012 STANFORD
013 WYANETT

**ITASCA COUNTY (31)**

001 ALVWOOD
002 ARBO
003 ARDENHURST
004 BALSAM
006 BEARVILLE
007 BIG FORK
008 BLACKBERRY
009 BOWSTRING
010 CARPENTER
011 DEER RIVER
012 FEELEY
013 GOOD HOPE
014 GOODLAND
015 GRAND RAPIDS
016 GRATTAN
017 GREENWAY
018 HARRIS
019 IRON RANGE
020 KINGHURST
021 LAKE JESSIE
022 LAWRENCE
023 LONE PINE
024 MARCELL
025 MAX
026 MOOSE PARK
027 MORSE
028 NASHWAUK
029 NORE
030 OTENEAGEN
031 POMROY
032 SAGO
033 SAND LAKE
034 SPANG
035 STOKES
036 THIRD RIVER
037 TROUT LAKE
038 WABANA
039 WAWINA
040 WIRT
041 LIBERTY
042 SPLIT HAND
043 T-53 R-25
044 T-55 R-23
045 T-54 R-26
046 T-54 R-27
047 T-55 R-27
048 T-56 R-27
049 T-56 R 26
050 T-57 R-26
051 T-58 R-26
052 T-58 R-27
053 T-58 R-22
054 T-58 R-23
055 T-59 R-25
056 T-59 R-24
057 T-59 R-23
058 T-59 R-22
059 T-60 R-23
060 T-60 R-24
061 T-60 R-25
062 T-61 R-25
063 T-61 R-24
064 T-61 R-23
065 T-145 R-26
066 T-146 R-29
067 T-146 R-28
068 T-146 R-27
069 T-146 R-26
070 T-147 R-29
071 T-147 R-28
072 T-147 R-27
073 T-147 R-26
074 T-62 R-27
075 T-62 R-25
076 T-62 R-26
077 T-144 R-26
078 T-143 R-25

**JACKSON COUNTY (32)**

001 ALBA
002 BELMONT
003 CHRISTIANIA
004 DELAFIELD
005 DES MOINES
006 ENTERPRISE
007 EWINGTON
008 HERON LAKE
009 HUNTER
010 KIMBALL
011 LA CROSSE
012 MIDDLETOWN
013 MINNEOTA
014 PETERSBURG
015 ROST
016 ROUND LAKE
017 SIOUX VALLEY
018 WEIMER
019 W HERON LAKE
020 WISCONSIN

**KANABEC COUNTY (33)**

001 ANN LAKE
002 ARTHUR
003 BRUNSWICK
004 COMFORT
005 FORD
006 GRASS LAKE
007 HAY BROOK
008 HILLMAN
009 KANABEC
010 KNIFE LAKE
011 KROSCHEL
012 PEACE
013 POMROY
014 SOUTH FORK
015 WHITED

**KANDIYOHI COUNTY (34)**

001 ARCTANDER
002 BURBANK
003 COLFAX
004 DOVRE
005 EAST LAKE LILLIAN
006 EDWARDS
007 FAHLUN
008 GENNESSEE
009 GREEN LAKE
010 HARRISON
011 HOLLAND
012 IRVING
013 KANDIYOHI
014 LAKE ANDREW
015 LAKE ELIZABETH
016 LAKE LILLIAN
017 MAMRE
018 NEW LONDON
019 NORWAY LAKE
020 ROSELAND
021 ROSEVILLE
022 ST JOHNS
023 WHITEFIELD
024 WILLMAR

**KITTSON COUNTY (35)**

001 ARVESON
002 CANNON
003 CARIBOU
004 CLOW
005 DAVIS
006 DEERWOOD
007 GRANVILLE
008 HALLOCK
009 HAMPDEN
010 HAZELTON
011 HILL
012 JUPITER
013 MCKINLEY
014 NORTH RED RIVER
015 NORWAY
016 PELAN
017 PERCY
018 POPPELTON
019 RICHARDVILLE
020 ST JOSEPH
021 ST VINCENT
022 SKANE
023 SPRING BROOK
024 SVEA
025 TEGNER
026 TEIEN
027 THOMPSON
028 T-162 R-45
029 T-161 R-45
030 SOUTH RED RIVER

**KOOCHICHING COUNTY (36)**

001 T-66 R-24
002 T-151 R-29
003 T-151 R-28
004 T-151 R-27
005 T-151 R-26
006 T-151 R-25
007 T-152 R-29
008 T-152 R-28
009 T-152 R-27
010 T-152 R-26
011 T-152 R-25
012 T-153 R-29
013 T-153 R-28
014 T-153 R-27
015 T-153 R-26
016 T-153 R-25
017 T-154 R-29
018 T-154 R-28
019 T-154 R-27
020 T-154 R-26
021 T-154 R-25
022 T-155 R-29
023 T-155 R-28
024 T-155 R-27
025 T-155 R-26
026 T-155 R-25
027 T-156 R-29
028 T-156 R-28
029 T-156 R-27
030 T-156 R-26
031 T-156 R-25
032 T-157 R-29
033 T-157 R-28
034 T-157 R-27
035 T-157 R-26
036 T-157 R-25
037 T-158 R-29
038 T-158 R-28
039 T-158 R-27
040 T-158 R-26
041 T-158 R-25
042 T-159 R-29
043 T-159 R-28
044 T-159 R-27
045 T-159 R-26
046 T-159 R-25
047 T-160 R-29
048 T-160 R-28
049 T-160 R-27
050 T-160 R-26
051 T-160 R-25
052 T-63 R-27
053 T-63 R-26
054 T-63 R-25
055 T-63 R-24
056 T-63 R-23
057 T-63 R-22
058 T-64 R-27
059 T-64 R-26
060 T-64 R-25
061 T-64 R-24
062 T-64 R-23
063 T-64 R-22
064 T-65 R-27
065 T-65 R-26
066 T-65 R-25
067 T-65 R-24
068 T-65 R-23
069 T-65 R-22
070 T-66 R-27
071 T-66 R-26
072 T-66 R-25
073 T-66 R-22
074 T-67 R-27
075 T-67 R-26
076 T-67 R-25
077 T-67 R-24
078 T-67 R-23
079 T-67 R-22
080 T-68 R-27
081 T-68 R-26
082 T-68 R-25
083 T-68 R-24
084 T-68 R-23
085 T-68 R-22
086 T-69 R-27
087 T-69 R-26
088 T-69 R-25
089 T-69 R-24
090 T-69 R-23
091 T-69 R-22
092 T-70 R-27
093 T-70 R-26
094 T-70 R-25
095 T-70 R-24
096 T-70 R-23
097 T-70 R-22
098 T-71 R-24
099 T-71 R-23
100 T-71 R-22
101 T-66 R-23

**LAC QUI PARLE COUNTY (37)**

001 AGASSIZ
002 ARENA
003 AUGUSTA
004 BAXTER
005 CAMP RELEASE
006 CERRO GORDO
007 FREELAND
008 GARFIELD
009 HAMLIN
010 HANTHO
011 LAC QUI PARLE
012 LAKE SHORE
013 MADISON
014 MANFRED
015 MAXWELL
016 MEHURIN
017 PERRY
018 PROVIDENCE
019 RIVERSIDE
020 TEN MILE LAKE
021 WALTER
022 YELLOW BANK

**LAKE COUNTY (38)**

001 BEAVER BAY
002 CRYSTAL BAY
003 FALL LAKE
004 SILVER CREEK
005 T-52 R-11
006 T-53 R-11
007 T-54 R-11
008 T-55 R-11
009 T-56 R-11
010 T-57 R-11
011 T-57 R-6
012 T-58 R-11
015 T-58 R-6
016 T-59 R-11
019 T-59 R-6
023 T-60 R-6
027 T-61 R-6
031 T-62 R-6
032 STONY RIVER

**LAKE OF THE WOODS COUNTY (39)**

001 T-157 R-35
002 T-157 R-34
003 T-157 R-33
004 T-157 R-32
005 T-157 R-31
006 T-157 R-30
007 T-158 R-35
008 T-158 R-34
009 T-158 R-33
010 T-158 R-32
011 T-158 R-31
012 T-158 R-30
013 T-159 R-36
014 T-159 R-35
015 T-159 R-34
016 T-159 R-33
017 T-159 R-32
018 T-159 R-31
019 T-159 R-30
020 T-160 R-36
021 T-160 R-35
022 T-160 R-34
023 T-160 R-33
024 T-160 R-32
025 T-160 R-31
026 T-160 R-30
027 T-161 R-34
028 T-161 R-33
029 T-161 R-32
030 T-161 R-31
031 T-162 R-34
032 T-162 R-33
033 T-162 R-32
034 T-163 R-34
035 T-163 R-33
036 T-166 R-35
037 T-166 R-34
038 T-166 R-33
039 T-167 R-35
040 T-167 R-34
041 T-167 R-34
042 T-168 R-35
043 T-168 R-34
044 T-168 R-33

**LE SUEUR COUNTY (40)**

001 CLEVELAND
002 CORDOVA
003 DERRYNANE
004 ELYSIAN
005 KASOTA
006 KILKENNY
007 LANESBURGH
008 LEXINGTON
009 MONTGOMERY
010 OTTAWA
011 SHARON
012 TYRONE
013 WASHINGTON
014 WATERVILLE

**LINCOLN COUNTY (41)**

001 ALTA VISTA
002 ASH LAKE
003 DIAMOND LAKE
004 DRAMMEN
005 HANSONVILLE
006 HENDRICKS
007 HOPE
008 LAKE BENTON
009 LAKE STAY
010 LIMESTONE
011 MARBLE
012 MARSHFIELD
013 ROYAL
014 SHAOKATAN
015 VERDI

**LYON COUNTY (42)**

001 AMIRET
002 CLIFTON
003 COON CREEK
004 CUSTER
005 EIDSVOLD
006 FAIRVIEW
007 GRANDVIEW
008 ISLAND LAKE
009 LAKE MARSHAL
010 LUCAS
011 LYND
012 LYONS
013 MONROE
014 NORDLAND
015 ROCK LAKE
016 SHELBURNE
017 SODUS
018 STANLEY
019 VALLERS
020 WESTERHEIM

**MCLEOD COUNTY (43)**

001 ACOMA
002 BERGEN
003 COLLINS
004 GLENCOE
005 HALE
006 HASSAN VALLEY
007 HELEN
008 HUTCHINSON
009 LYNN
010 PENN
011 RICH VALLEY
012 ROUND GROVE
013 SUMTER
014 WINSTED

**MAHNOMEN COUNTY (44)**

001 BEAULIEU
002 BEJOU
003 CHIEF
004 CLOVER
005 GREGORY
006 HEIER
007 ISLAND LAKE
008 LA GARDE
009 LAKE GROVE
010 MARSH CREEK
011 OAKLAND
012 PEMBINA
013 POPPLE GROVE
014 ROSEDALE
015 TWIN LAKES
016 T-143 R-39

**MARSHALL COUNTY (45)**

001 AGDER
002 ALMA
003 AUGSBURG
004 BIG WOODS
005 BLOOMER
006 BOXVILLE
007 CEDAR
008 COMO
009 COMSTOCK
010 DONNELLY
011 EAGLE POINT
012 EAST PARK
013 EAST VALLEY
014 ECKVOLL
015 ESPELIE
016 EXCEL
017 FOLDAHL
018 FORK
019 GRAND PLAIN
020 HOLT
021 HUNTLY
022 LINCOLN
023 LINSELL
024 MC CREA
025 MARSH GROVE
026 MIDDLE RIVER
027 MOOSE RIVER
028 MOYLAN
029 NELSON PARK
030 NEW FOLDEN
031 NEW MAINE
032 NEW SOLUM
033 OAK PARK
034 PARKER
035 ROLLIS
036 SINNOTT
037 SPRUCE VALLEY
038 TAMARAC
039 THIEF LAKE
040 VALLEY
041 VEGA
042 VELDT
043 VIKING
044 WANGER
045 WARRENTON
046 WEST VALLEY
047 WHITEFORD
048 WRIGHT
049 T-156 R-41

**MARTIN COUNTY (46)**

001 CEDAR
002 CENTER CREEK
003 EAST CHAIN
004 ELM CREEK
005 FAIRMONT
006 FOX LAKE
007 FRASER
008 GALENA
009 JAY
010 LAKE BELT
011 LAKE FREMONT
012 MANYASKA
013 NASHVILLE
014 PLEASANT PRAIRIE
015 ROLLING GREEN
016 RUTLAND
017 SILVER LAKE
018 TENHASSEN
019 WAVERLY
020 WESTFORD

**MEEKER COUNTY (45)**

001 ACTON
002 CEDAR MILLS
003 COLLINWOOD
004 COSMOS
005 DANIELSON
006 DARWIN
007 DASSEL
008 ELLSWORTH
009 FOREST CITY
010 FOREST PRAIRIE
011 GREENLEAF
012 HARVEY
013 KINGSTON
014 LITCHFIELD
015 MANANNAH
016 SWEDE GROVE
017 UNION GROVE

**MILLE LACS COUNTY (48)**

001 BOGUS BROOK
002 BORGHOLM
003 BRADBURY
004 DAILEY
005 EAST SIDE
006 GREENBUSH
007 HAYLAND
008 ISLE HARBOR
009 KATHIO
010 LEWIS
011 MILACA
012 MILO
013 MUDGETT
014 ONAMIA
015 PAGE
016 PRINCETON
017 SOUTH HARBOR

**MORRISON COUNTY (49)**

001 AGRAM
002 BELLE PRAIRIE
003 BELLEVUE
004 BUCKMAN
005 BUH
006 CLOUGH
007 CULDRUM
008 DARLING
009 ELMDALE
010 GRANITE
011 GREEN PRAIRIE
012 HILLMAN
013 LAKIN
014 LEIGH
015 LITTLE FALLS
016 MORRILL
017 MOTLEY
018 MOUNT MORRIS
019 PARKER
020 PIERZ
021 PIKE CREEK
022 PLATTE
023 PULASKI
024 RAIL PRAIRIE
025 RICHARDSON
026 RIPLEY
027 ROSING
028 SCANDIA VALLEY
029 SWAN RIVER
030 SWANVILLE
031 TWO RIVERS
032 CUSHING

**MOWER COUNTY (50)**

001 ADAMS
002 AUSTIN
003 BENNINGTON
004 CLAYTON
005 DEXTER
006 FRANKFORD
007 GRAND MEADOW
008 LANSING
009 LE ROY
010 LODI
011 LYLE
012 MARSHALL
013 NEVADA
014 PLEASANT VALLEY
015 RACINE
016 RED ROCK
017 SARGEANT
018 UDOLPHO
019 WALTHAM
020 WINDOM

**MURRAY COUNTY (51)**

001 BELFAST
002 BONDIN
003 CAMERON
004 CHANARAMBIE
005 DES MOINES RIVER
006 DORVAY
007 ELLSBOROUGH
008 FENTON
009 HOLLY
010 IONA
011 LAKE SARAH
012 LEEDS
013 LIME LAKE
014 LOWVILLE
015 MASON
016 MOULTON
017 MURRAY
018 SHETEK
019 SKANDIA
020 SLAYTON

**NICOLLET COUNTY (52)**

001 BELGRADE
002 BERNADOTTE
003 BRIGHTON
004 COURTLAND
005 GRANBY
006 LAFAYETTE
007 LAKE PRAIRIE
008 NEW SWEDEN
009 NICOLLET
010 OSHAWA
011 RIDGELY
012 TRAVERSE
013 WEST NEWTON

**NOBLES COUNTY (53)**

001 BIGELOW
002 BLOOM
003 DEWALD
004 ELK
005 GRAHAM LAKES
006 GRAND PRAIRIE
007 HERSEY
008 INDIAN LAKE
009 LARKIN
010 LEOTA
011 LISMORE
012 LITTLE ROCK
013 LORAIN
014 OLNEY
015 RANSOM
016 SEWARD
017 SUMMIT LAKE
018 WESTSIDE
019 WILMONT
020 WORTHINGTON

**NORMAN COUNTY (54)**

001 ANTHONY
002 BEAR PARK
003 FLOM
004 FOSSUM
005 GOOD HOPE
006 GREEN MEADOW
007 HALSTAD
008 HEGNE
009 HENDRUM
010 HOME LAKE
011 LAKE IDA
012 LEE
013 LOCKHART
014 MCDONALDSVILLE
015 MARY
016 PLEASANT VIEW
017 ROCKWELL
018 SHELLY
019 SPRING CREEK
020 STRAND
021 SUNDAL
022 WAUKON
023 WILD RICE
024 WINCHESTER

**OLMSTED COUNTY (55)**

001 CASCADE

002 DOVER
003 ELMIRA
004 EYOTA
005 FARMINGTON
006 HAVERHILL
007 HIGH FOREST
008 KALMAR
009 MARION
010 NEW HAVEN
011 ORION
012 ORONOCO
013 PLEASANT GROVE
014 QUINCY
015 ROCHESTER
016 ROCK DELL
017 SALEM
018 VIOLA

**OTTER TAIL COUNTY (56)**

001 AASTAD
002 AMOR
003 AURDAL
004 BLOWERS
005 BLUFFTON
006 BUSE
007 BUTLER
008 CANDOR
009 CARLISLE
010 CLITHERALL
011 COMPTON
012 CORLISS
013 DANE PRAIRIE
014 DEAD LAKE
015 DEER CREEK
016 DORA
017 DUNN
018 EAGLE LAKE
019 EASTERN
020 EDNA
021 EFFINGTON
022 ELIZABETH
023 ELMO
024 ERHARDS GROVE
025 EVERTS
026 FERGUS FALLS
027 FOLDEN
028 FRIBERG
029 GIRARD
030 GORMAN
031 HENNING
032 HOBART
033 HOMESTEAD
034 INMAN
035 LEAF LAKE
036 LEAF MOUNTAIN
037 LIDA
038 MAINE
039 MAPLEWOOD
040 NEWTON
041 NIDAROS
042 NORWEGIAN GROVE
043 OAK VALLEY
044 ORWELL
045 OSCAR
046 OTTER TAIL
047 OTTO
048 PADDOCK
049 PARKERS PRAIRIE
050 PELICAN
051 PERHAM
052 PINE LAKE
053 RUSH LAKE
054 ST OLAF
055 SCAMBLER
056 STAR LAKE
057 SVERDRUP
058 TORDENSKJOLD
059 TRONDHJEM
060 TUMULI
061 WESTERN
062 WOODSIDE

**PENNINGTON COUNTY (57)**

001 BLACK RIVER
002 BRAY
003 CLOVER LEAF
004 DEER PARK
005 GOODRIDGE
006 HICKORY
007 HIGH LANDING
008 KRATKA
009 MAYFIELD
010 NORDEN
011 NORTH
012 NUMEDAL
013 POLK CENTRE
014 REINER
015 RIVER FALLS
016 ROCKSBURY
017 SANDERS
018 SILVERTON
019 SMILEY
020 STAR
021 WYANDOTTE

**PINE COUNTY (58)**

001 ARLONE
002 ARNA
003 BARRY
004 BIRCH CREEK
005 BREMEN
006 BROOK PARK
007 BRUNO
008 CHENGWATANA
009 CLOVER
010 CROSBY
011 DANFORTH
012 DELL GROVE
013 FINLAYSON
014 FLEMING
015 HINCKLEY
016 KERRICK
017 KETTLE RIVER
018 MISSION CREEK
019 MUNCH
020 NEW DOSEY
021 NICKERSON
022 NORMAN
023 OGEMA
024 PARK
025 PARTRIDGE
026 PINE CITY
027 PINE LAKE
028 POKEGAMA
029 ROYALTON
030 SANDSTONE
031 STURGEON LAKE
032 WILMA
033 WINDEMERE

**PIPESTONE COUNTY (59)**

001 AETNA
002 ALTONA
003 BURKE
004 EDEN
005 ELMER
006 FOUNTAIN PRAIRIE
007 GRANGE
008 GRAY
009 OSBORNE
010 ROCK
011 SWEET
012 TROY

**POLK COUNTY (60)**

001 ANDOVER
002 ANGUS
003 BADGER
004 BELGIUM
005 BRANDSVOLD
006 BRANDT
007 BRISLET
008 BYGLAND
009 CHESTER
010 COLUMBIA
011 CROOKSTON
012 EDEN
013 ESTHER
014 EUCLID
015 FAIRFAX
016 FANNY
017 FARLEY
018 FISHER
019 GARDEN
020 GARFIELD
021 GENTILLY
022 GODFREY
023 GRAND FORKS
024 GROVE PARK
025 GULLY
026 HAMMOND
027 HELGELAND
028 HIGDEM
029 HILL RIVER
030 HUBBARD
031 HUNTSVILLE
032 JOHNSON
033 KERTSONVILLE
034 KEYSTONE
035 KING
036 KNUTE
037 LESSOR
038 LIBERTY
039 LOWELL
040 NESBIT
041 NORTHLAND
042 ONSTAD
043 PARNELL
044 QUEEN
045 REIS
046 RHINEHART
047 ROOME
048 ROSEBUD
049 RUSSIA
050 SANDSVILLE
051 SCANDIA
052 SLETTEN
053 SULLIVAN
054 TABOR
055 TILDEN
056 TYNSID
057 VINELAND
058 WINGER
059 WOODSIDE

**POPE COUNTY (61)**

001 BANGOR
002 BARSNESS
003 BEN WADE
004 BLUE MOUNDS
005 CHIPPEWA FALLS
006 GILCHRIST
007 GLENWOOD
008 GROVE LAKE
009 HOFF
010 LAKE JOHANNA
011 LANGHEI
012 LEVEN
013 MINNEWASKA
014 NEW PRAIRIE
015 NORA
016 RENO
017 ROLLING FORKS
018 WALDEN
019 WESTPORT
020 WHITE BEAR LAKE

**RAMSEY COUNTY (62)**

001 WHITE BEAR

**RED LAKE COUNTY (63)**

001 BROWNS CREEK
002 EMARDVILLE
003 EQUALITY
004 GARNES
005 GERVAIS
006 LAKE PLEASANT
007 LAMBERT
008 LOUISVILLE
009 POPLAR RIVER
010 RED LAKE FALLS
011 RIVER
012 TERREBONNE
013 WYLIE

**REDWOOD COUNTY (64)**

001 BROOKVILLE
002 CHARLESTOWN
003 DELHI
004 GALES
005 GRANITE ROCK
006 HONNER
007 JOHNSONVILLE
008 KINTIRE
009 LAMBERTON
010 MORGAN
011 NEW AVON
012 NORTH HERO
013 PAXTON
014 REDWOOD FALLS
015 SHERIDAN
016 SHERMAN
017 SPRINGDALE
018 SUNDOWN
019 SWEDES FOREST
020 THREE LAKES
021 UNDERWOOD
022 VAIL
023 VESTA
024 WATERBURY
025 WESTLINE
026 WILLOW LAKE

**RENVILLE COUNTY (65)**

001 BANDON
002 BEAVER FALLS
003 BIRCH COOLEY
004 BIRD ISLAND
005 BOON LAKE
006 BROOKFIELD
007 CAIRO
008 CAMP
009 CROOKS
010 EMMET
011 ERICSON
012 FLORA
013 HAWK CREEK
014 HECTOR
015 HENRYVILLE
016 KINGMAN
017 MARTINSBURG
018 MELVILLE
019 NORFOLK
020 OSCEOLA
021 PALMYRA
022 PRESTON LAKE
023 SACRED HEART
024 TROY
025 WANG
026 WELLINGTON
027 WINFIELD

**RICE COUNTY (66)**

001 BRIDGEWATER
002 CANNON CITY
003 ERIN
004 FOREST
005 MORRISTOWN
006 NORTHFIELD
007 RICHLAND
008 SHIELDSVILLE
009 WALCOTT
010 WARSAW
011 WEBSTER
012 WELLS
013 WHEATLAND
014 WHEELING

**ROCK COUNTY (67)**

001 BATTLE PLAIN
002 BEAVER CREEK
003 CLINTON
004 DENVER
005 KANARANZI
006 LUVERNE
007 MAGNOLIA
008 MARTIN
009 MOUND
010 ROSE DELL
011 SPRINGWATER
012 VIENNA

**ROSEAU COUNTY (68)**

001 BARNETT
002 BARTO
003 BEAVER
004 T-163 R-44
005 CEDARBEND
006 DEER
007 DEWEY
008 DIETER
009 ENSTROM
010 FALUN
011 GOLDEN VALLEY
012 GRIMSTAD
013 HEREIM
014 HUSS
015 JADIS
016 LAONA
017 LIND
018 MALUNG
019 MICKINOCK
020 MOOSE
021 MORANVILLE
022 NERESON
023 PALMVILLE
024 POHLITZ
025 POLONIA
026 POPLAR GROVE
027 REINE
028 ROSS
029 SKAGEN
030 SOLER
031 SPRUCE
032 STAFFORD
033 STOKES
034 T-163 R-40
035 T-163 R-39
036 T-163 R-38
037 LAKE
039 T-162 R-44
040 T-163 R-43
041 T-159 R-37
042 T-160 R-37
043 T-161 R-37

044 T-161 R-36
045 T-161 R-35
046 T-164 R-38
047 T-164 R-39
048 T-164 R-40
049 T-164 R-43
050 T-164 R-44

**ST LOUIS COUNTY (69)**

001 ALANGO
002 ALBORN
003 ALDEN
004 ANGORA
005 ARROWHEAD
006 AULT
007 BALKAN
008 BASSETT
009 BEATTY
010 BIWABIK
011 BREITUNG
012 BREVATOR
013 CANOSIA
014 CEDAR VALLEY
015 CHERRY
016 CLINTON
017 COLVIN
018 COTTON
019 CULVER
020 DULUTH
021 ELLSBERG
022 ELMER
023 EMBARRASS
024 FAIRBANKS
025 FAYAL
026 FIELD
027 FINE LAKES
028 FLOODWOOD
029 FREDENBERG
030 FRENCH
031 GNESEN
032 GRAND LAKE
033 GREAT SCOTT
034 HALDEN
035 GREENWOOD
036 INDUSTRIAL
037 KELSEY
038 KUGLER
039 LAKEWOOD
040 LAVELL
041 LEIDING
042 LINDEN GROVE
043 MCDAVITT
044 MEADOWLANDS
045 MIDWAY
047 MORCOM
048 MORSE
049 NESS
050 NEW INDEPENDENCE
052 NORMANNA
053 NORTHLAND
054 OWENS
055 PIKE
056 PORTAGE
057 PRAIRIE LAKE
058 RICE LAKE
059 SANDY
060 SOLWAY
061 STONEY BROOK
063 STURGEON
064 TOIVOLA
065 VAN BUREN
066 VERMILION LAKE
067 WAASA
068 WHITE
069 WILLOW VALLEY
070 WUORI
071 NORTH STAR
072 PEQUAYWAN
073 PAYNE
074 T-52 R-21
075 T-59 R-16
076 T-55 R-21
077 T-55 R-14
078 T-56 R-17
079 T-61 R-17
080 T-59 R-21
081 T-55 R-15
082 T-56 R-14
083 T-57 R-16
084 T-56 R-16
085 T-57 R-14
086 T-58 R-14
087 T-61 R-14
088 T-61 R-13
089 T-61 R-12
090 T-54 R-15
091 T-54 R-14
092 T-54 R-13
093 T-53 R-16
094 T-53 R-15
095 T-60 R-20
096 T-60 R-19
097 T-60 R-18
098 T-59 R-18
099 T-62 R-21
100 T-63 R-21
101 T-64 R-21
102 T-65 R-21
103 T-66 R-21
104 T-62 R-17
105 T-63 R-17
106 T-64 R-17
107 T-66 R-20
110 T-64 R-16
111 T-65 R-16
112 T-66 R-16
113 T-67 R-16
114 T-64 R-12
115 T-65 R-12
116 T-66 R-12
117 T-64 R-13
118 T-65 R-13
119 T-66 R-13
120 T-67 R-13
121 T-68 R-13
122 T-63 R-14
123 T-64 R-14
124 T-65 R-14
125 T-66 R-14
126 T-67 R-14
127 T-68 R-14
128 T-63 R-15
129 T-64 R-15
130 T-65 R-15
131 T-66 R-15
132 T-67 R-15
133 T-68 R-15
134 T-67 R-21
135 T-68 R-21
136 T-69 R-21
137 T-70 R-21
138 T-71 R-21
139 T-66 R-20
140 T-67 R-20
141 T-68 R-20
142 T-69 R-20
143 T-70 R-20
144 T-71 R-21
145 T-67 R-19
146 T-68 R-19
147 T-69 R-19
148 T-70 R-19
149 T-67 R-18
150 T-68 R-18
151 T-69 R-18
152 T-67 R-17
153 T-68 R-17
154 T-69 R-17
155 T-63 R-19
156 T-70 R-18

**SCOTT COUNTY (70)**

001 BELLE PLAINE
002 BLAKELY
003 CEDAR LAKE
004 CREDIT RIVER
005 HELENA
006 JACKSON
007 LOUISVILLE
008 NEW MARKET
009 ST LAWRENCE
010 SAND CREEK
011 SPRING LAKE

**SHERBURNE COUNTY (71)**

001 BALDWIN
002 BECKER
003 BIG LAKE
004 BLUE HILL
005 CLEAR LAKE
007 HAVEN
008 LIVONIA
009 ORROCK
010 PALMER
011 SANTIAGO

**SIBLEY COUNTY (72)**

001 ALFSBORG
002 ARLINGTON
003 BISMARCK
004 CORNISH
005 DRYDEN
006 FAXON
007 GRAFTON
008 GREEN ISLE
009 HENDERSON
010 JESSENLAND
011 KELSO
012 MOLTKE
013 NEW AUBURN
014 SEVERANCE
015 SIBLEY
016 TRANSIT
017 WASHINGTON LAKE

**STEARNS COUNTY (73)**

001 ALBANY
002 ASHLEY
003 AVON
004 BROCKWAY
005 COLLEGEVILLE
006 CROW LAKE
007 CROW RIVER
008 EDEN LAKE
009 FAIRHAVEN
010 FARMING
011 GETTY
012 GROVE
013 HOLDING
014 KRAIN
015 LAKE GEORGE
016 LAKE HENRY
017 LE SAUK
018 LUXEMBURG
019 LYNDEN
020 MAINE PRAIRIE
021 MELROSE
022 MILLWOOD
023 MUNSON
024 NORTH FORK
025 OAK
026 PAYNESVILLE
027 RAYMOND
028 ROCKVILLE
029 ST AUGUSTA
030 ST CLOUD
031 ST JOSEPH
032 ST MARTIN
033 ST WENDEL
034 SAUK CENTRE
035 SPRING HILL
036 WAKEFIELD
037 ZION

**STEELE COUNTY (74)**

001 AURORA
002 BERLIN
003 BLOOMING PRAIRIE
004 CLINTON FALLS
005 DEERFIELD
006 HAVANA
007 LEMOND
008 MEDFORD
009 MERIDEN
010 MERTON
011 OWATONNA
012 SOMERSET
013 SUMMIT

**STEVENS COUNTY (75)**

001 BAKER
002 DARNEN
003 DONNELLY
004 ELDORADO
005 EVERGLADE
006 FRAMNAS
007 HODGES
008 HORTON
009 MOORE
010 MORRIS
011 PEPPERTON
012 RENDSVILLE
013 SCOTT
014 STEVENS
015 SWAN LAKE
016 SYNNES

**SWIFT COUNTY (76)**

001 APPLETON
002 BENSON
003 CAMP LAKE
004 CASHEL
005 CLONTARF
006 DUBLIN
007 EDISON
008 FAIRFIELD
009 HAYES
010 HEGBERT
011 KERKHOVEN
012 KILDARE
013 MARYSLAND
014 MOYER
015 PILLSBURY
016 SHIBLE
017 SIX MILE GROVE
018 SWENODA
019 TARA
020 TORNING
021 WEST BANK

**TODD COUNTY (77)**

001 BARTLETT
002 BERTHA
003 BIRCHDALE
004 BRUCE
005 BURLEENE
006 BURMHAMVILLE
007 EAGLE VALLEY
008 FAWN LAKE
009 GERMANIA
010 GORDON
011 GREY EAGLE
012 HARTFORD
013 IONA
014 KANDOTA
015 LESLIE
016 LITTLE ELK
017 LITTLE SAUK
018 LONG PRAIRIE
019 MORAN
020 REYNOLDS
021 ROUND PRAIRIE
022 STAPLES
023 STOWE PRAIRIE
024 TURTLE CREEK
025 VILLARD
026 WARD
027 WEST UNION
028 WYKEHAM

**TRAVERSE COUNTY (78)**

001 ARTHUR
002 CLIFTON
003 CROKE
004 DOLLYMOUNT
005 FOLSOM
006 LAKE VALLEY
007 LEONARDSVILLE
008 MONSON
009 PARNELL
010 REDPATH
011 TARA
012 TAYLOR
013 TINTAH
014 WALLS
015 WINDSOR

**WABASHA COUNTY (79)**

001 CHESTER
002 ELGIN
003 GILLFORD
004 GLASGOW
005 GREENFIELD
006 HIGHLAND
007 HYDE PARK
008 LAKE
009 MAZEPPA
010 MINNEISKA
011 MOUNT PLEASANT
012 OAKWOOD
013 PEPIN
014 PLAINVIEW
015 WATOPA
016 WEST ALBANY
017 ZUMBRO

**WADENA COUNTY (80)**

001 ALDRICH
002 BLUEBERRY
003 BULLARD
004 HUNTERSVILE
005 LEAF RIVER
006 LYONS
007 MEADOW
008 NORTH GERMANY
009 ORTON
010 RED EYE
011 ROCKWOOD
012 SHELL RIVER
013 THOMASTOWN
014 WADENA
015 WING RIVER

**WASECA COUNTY (81)**

001 ALTON

002 BLOOMING GROVE
003 BYRON
004 FREEDOM
005 IOSCO
006 JANESVILLE
007 NEW RICHLAND
008 OTISCO
009 ST MARY
010 VIVIAN
011 WILTON
012 WOODVILLE

**WASHINGTON COUNTY (82)**

001 BAYTOWN
002 DENMARK
003 FOREST LAKE
005 GREY CLOUD ISLAND
007 MAY
008 NEW SCANDIA
010 STILLWATER
011 WEST LAKELAND

**WATONWAN COUNTY (83)**

001 ADRIAN
002 ANTRIM
003 BUTTERFIELD
004 FIELDON
005 LONG LAKE
006 MADELIA
007 NELSON
008 ODIN
009 RIVERDALE
010 ROSENDALE
011 ST JAMES
012 SOUTH BRANCH

**WILKIN COUNTY (84)**

001 AKRON
002 ANDREA
003 ATHERTON
004 BRADFORD
005 BRANDRUP
006 BRECKENRIDGE
007 CAMPBELL
008 CHAMPION
009 CONNELLY
010 DEERHORN
011 FOXHOME
012 MC CAULEYVILLE
013 MANSTON
014 MEADOWS
015 MITCHELL
016 NILSEN
017 NORDICK
018 PRAIRIE VIEW
019 ROBERTS
020 SUNNYSIDE
021 TANBERG
022 WOLVERTON

**WINONA COUNTY (85)**

001 DRESBACH
002 ELBA
003 FREMONT
004 HART
005 HILLSDALE
006 HOMER
007 MOUNT VERNON
008 NEW HARTFORD
009 NORTON
010 PLEASANT HILL
011 RICHMOND
012 ROLLING STONE
013 ST CHARLES
014 SARATOGA
015 UTICA
016 WARREN
017 WHITEWATER
018 WILSON
019 WINONA
020 WISCOY

**WRIGHT COUNTY (86)**

001 ALBION
002 BUFFALO
003 CHATHAM
004 CLEARWATER
005 COKATO
006 CORINNA
007 FRANKFORT
008 FRANKLIN
009 FRENCH LAKE
010 MAPLE LAKE
011 MARYSVILLE
012 MIDDLEVILLE
013 MONTICELLO
015 ROCKFORD
016 SILVER CREEK
017 SOUTH SIDE
018 STOCKHOLM
019 VICTOR
020 WOODLAND

**YELLOW MEDICINE COUNTY (87)**

001 BURTON
002 ECHO
003 FLORIDA
004 FORTIER
005 FRIENDSHIP
006 HAMMER
007 HAZEL RUN
008 LISBON
009 MINNESOTA FALLS
010 NORMAN
011 NORMANIA
012 OMRO
013 OSHKOSH
014 POSEN
015 SANDNES
016 SIOUX AGENCY
017 STONY RUN
018 SWEDE PRAIRIE
019 TYRO
020 WERGELAND
021 WOOD LAKE

# APPENDIX C:

## List of data elements contained in the current (pre-1-1-03)

## Accident Records Database

The list provided as the 6 pages 108 through 113 is the list of data elements contained in the original database on the DPS computer at the BCA.

This list was provided by Denny Lennartson in June of 2002.